

MATERIAL SAFETY DATA SHEET

Recombinant Human Apolipoprotein A-1

Section I – Product and Company Identification:

Product Name: Recombinant Human Apolipoprotein A-1

Product Number: CRA405B – 100 µg
CRA405C – 1 mg

Manufacturer/Supplier: Cell Sciences, Inc.
65 Parker Street
Unit 11
Newburyport, MA 01950
Toll Free: 888 769-1246
Phone: 978-572-1070

Section II - Hazards Identification

CLASSIFICATION OF SUBSTANCE OR MIXTURE

This substance is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

This substance does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008.

GHS Classification: Not a dangerous substance or mixture.

HMIS RATING

HEALTH: 0
FLAMMABILITY: 0
PHYSICAL: 0

NFPA RATING

HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0

Section III – Composition/Information on Components

This product does not contain hazardous chemicals at concentrations of 1% or greater. Additionally, this product is not known to contain carcinogens at concentrations of 0.1% or greater.

Component	CAS #	MW	Chemical Formula	%	Safety Information
Recombinant protein: ApoA-1 (human)	N/A	28.2 kDa	N/A	>97% by SDS-PAGE	No hazardous or toxic properties known



MATERIAL SAFETY DATA SHEET

Recombinant Human Apolipoprotein A-1

Section IV – First Aid Measures

EYE: Check for contact lenses and remove if present. Flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek medical attention if eyes remain red or irritated.

SKIN: Wash contact areas thoroughly with soap and water. Seek medical attention if area remains irritated.

INHALATION: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical attention immediately.

INGESTION: Seek medical attention and appropriate follow-up.

Section V – Fire Fighting Measures

FLASH POINT:

UEL: None established.

LEL: None established.

AUTOIGNITION TEMP: None established.

FLAMMABILITY CLASSIFICATION: Non-flammable material.

EXTINGUISHING MEDIA: Use media appropriate for site conditions.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known. Wear self-contained breathing apparatus and protective garments appropriate for site conditions.

FIRE-FIGHTING EQUIPMENT: Not applicable - non-flammable material.

HAZARDOUS COMBUSTION PRODUCTS: Non-determined.

Section VI – Accidental Release Measures

PERSONAL PRECAUTIONS: Use standard laboratory practices, including proper personal protective equipment.

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage. Do not let product enter drains.

METHODS FOR CLEANING UP: Absorb liquid components with absorbent material. Sweep up absorbent material or dry components, place in a bag and hold for waste disposal. Dispose in accordance with local, state and federal regulations.

Section VII – Handling and Storage

HANDLING: Use standard laboratory practices. No special measures or precautions required if used correctly.

STORAGE: Keep container tightly sealed. Store as indicated on datasheet.



MATERIAL SAFETY DATA SHEET

Recombinant Human Apolipoprotein A-1

Section VIII – Exposure Controls / PPE

Control Parameters: None known. Contains no substances with occupational exposure limits.

Ventilation Data: Provide adequate local exhaust ventilation.

Respiratory Protection: None required.

Protective Gloves: Wear compatible chemical resistant gloves.

Other Protective Equipment: Eye protection, lab coat, apron or other protective clothing to minimize contact.
Eyewash stations and deluge showers should be available.

Work Practices: Observe appropriate laboratory hygiene practices. Avoid contact with skin or eyes. Wash any exposed body area thoroughly with soap and water after completion of activities involving product. No smoking, drinking and eating at working site.

Section IX– Physical/Chemical Properties

Appearance Physical State:	Lyophilized white powder	Solvent Content:	NO DATA
Molecular Weight:	~28.2 kDa	Evaporation Rate:	NO DATA
pH:	NO DATA	Viscosity:	NO DATA
BP/BP Range:	NO DATA	Surface Tension:	NO DATA
MP/MP Range:	NO DATA	Partition Coefficient:	NO DATA
Freezing Point:	NO DATA	Decomposition Temp.:	NO DATA
Vapor Pressure:	NO DATA	Flash Point:	NO DATA
Vapor Density:	NO DATA	Explosion Limits:	NO DATA
Saturated Vapor Conc:	NO DATA	Flammability:	NO DATA
SG/Density:	NO DATA	Auto ignition Temp:	NO DATA
Bulk Density:	NO DATA	Refractive Index:	NO DATA
Odor Threshold:	NO DATA	Optical Rotation:	NO DATA
Volatile%:	NO DATA	Miscellaneous Data:	NO DATA
VOC Content:	NO DATA	Solubility:	NO DATA
Water Content:	NO DATA		

Section X – Stability and Reactivity

STABILITY: Stable under recommended transport and storage conditions.

INCOMPATIBILITIES: Heat and moisture. Strong acids/alkalis, strong oxidizing/ reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Nature of decomposition products not known.

HAZARDOUS POLYMERIZATION: No evidence for polymerization.



MATERIAL SAFETY DATA SHEET

Recombinant Human Apolipoprotein A-1

Section XI – Toxicological Information

Acute toxicity: Classification criteria are not met based on available data.

Skin irritant effect: Classification criteria are not met based on available data.

Eye irritant effect: Classification criteria are not met based on available data.

Sensitization: Classification criteria are not met based on available data.

Mutagenicity: Classification criteria are not met based on available data.

Carcinogenicity: Classification criteria are not met based on available data.

Reproductive toxicity: Classification criteria are not met based on available data.

Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects according to available information.

Section XII – Ecological Information

No data.

Section XIII – Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

Section XIV – Transport Information

UN Number: Does not meet the criteria for classification as hazardous for transport.

DOT regulations: Hazards class: None.

Land transport ADR/RID (cross-border): Not regulated.

Maritime transport IMDG: Not regulated.

Marine pollutant: No.

Air transport ICAO-TI and IATA-DGR: Not regulated.

Transport/Additional information: Not dangerous according to the above specifications.



MATERIAL SAFETY DATA SHEET

Recombinant Human Apolipoprotein A-1

Section XV - Regulatory Information

US CLASSIFICATION AND LABEL TEXT

Does not meet the classification for hazardous transport.

UNITED STATES REGULATORY INFORMATION

TSCA (Toxic Substances Control Act): This product is not listed.

SARA 313: This product is not listed.

SARA 311/312 Hazards: None known.

CERCLA Reportable Quantity: Unknown.

California Proposition 65: This product is not listed on California's listing of known or potential carcinogens.

Section XVI – Other Information

DISCLAIMER:

Not for Human Use. For Research Only. Not for Diagnostic or Therapeutic Use.

WARRANTY:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cell Sciences® shall not be held liable for any damage resulting from handling or from contact with the above product.

Revision: 5 December 2016

Approved by: Amanda Flies
Technical Support Scientist

