DATASHEET
Version 20181206

HSA-IFN-α 2b, Human

Cat. No.: Z02019-10

Size: 10.0 ug

Synonyms: HSA-IFN-α 2b; HSA-IFNa2b, HSA-IFN a2b

Description:

At least 23 different variants of Interferon-alpha are known. The individual proteins have molecular masses between 19,000-26,000 Da and consist of proteins with lengths of 156-166 and 172 amino acids. All IFN-alpha subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN-alpha subtypes differ in their sequences at only one or two positions. Naturally occurring variants also include proteins truncated by 10 amino acids at the carboxyl-terminal end. GenScript Human Serum Albumin and Interferon (HSA-IFN)-α 2b produced in *P. Pichia* is a single non-glicosylated, polypeptide chain having a molecular mass of 85,700 Da.

Source: *P. pastoris*

Species: Human

Biological Activity: Human HSA-IFN-α 2b is fully biologically active when compared to standard. The specific activity as determined in a viral resistance assay using bovine kidney MDBK cells was found to be 5×10^7 IU/mg.

Molecular Weight: 85,700 Da

Formulation: Lyophilized from a (1 mg/ml) solution in containing 5.55 mg sodium phosphate dibasic, 5.55 mg sodium phosphate monobasic buffer, 296 mg sucrose and 0.37 mg Tween 80.

Reconstitution: It is recommended to reconstitute the lyophilized HSA-IFN a2b in sterile 18 MΩ-cm H_2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Purity: Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC
(b) Anion-exchange FPLC
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

Endotoxin Level: Less than 0.1 ng/µg (1 EU/µg) of human HSA-IFN-α 2b

Storage: Lyophilized HSA-IFN-a2b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution HSA-IFN-α 2b should be stored at 4°C between 2-7 days and for future use below -18°C. For long-term storage it is recommended to ass a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.

GenScript USA, Inc.
860 Centennial Ave. Piscataway, NJ 08854
Tel: 1-877-436-7274; 1-732-885-9188