

Recombinant Human Coagulation Factor II (F2) Protein, Biotinylated

Catalog Number: 230-30170B

Data Sheet / Certificate of Analysis (CoA)

Last Revised: 11/27/2024

Source

Species	Human
Accession Number	P00734
Gene Symbols	F2
Synonyms	Coagulation Factor II
Expressed Region	Ala44-Glu622

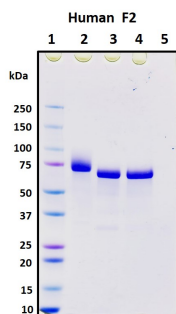
Preparation

Expression System	HEK293 cells
Tag	N-terminal his-tag. The primary amino groups (-NH ₂) at the N-terminus and the side chains of lysine (K) residues were biotin-conjugated using the standard chemical labeling method.
Purity	>95%
Molecular Weight	Recombinant protein product has a calculated molecular mass of 65 kDa. Due to the abundant glycosylation, it migrates as approximately 75 kDa protein band in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. After deglycosylation under denature condition, the protein presented as one single 65 kDa band. See deglycosylation analysis in SDS-PAGE image.

Specifications

Format	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS
Concentration	Determined by BCA protein assay
Reconstitution	Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.5 - 1.0 mg/mL with sterile deionized water.

SDS-PAGE Image



Shipping

The product is shipped with ice packs. Upon arrival, immediately store it at the temperature recommended below.

Storage/Stability

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- Upon arrival, the lyophilized protein may be stored for 2 weeks at 4°C.
- For long term storage, it is recommended to store desiccated below -20°C in a manual defrost freezer.
- Generally, the shelf life is up to 12 months from date of receipt at -20°C or -80°C under sterile conditions.
- Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20°C. For long term storage, it is recommended to make appropriate aliquots at -20°C or -80°C.