
Recombinant Human FAM171A2 Protein

Catalog Number: 230-30231

Data Sheet / Certificate of Analysis (CoA)

Last Revised: 11/27/2024

Source

Species	Human
Accession Number	A8MVW0
Gene Symbols	FAM171A2
Synonyms	Protein FAM171A2
Expressed Region	Lys30-Thr315

Preparation

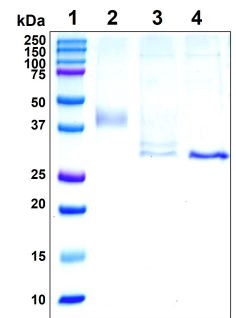
Expression System	HEK293 cells
Tag	C-terminal histidine tag
Purity	>90%
Molecular Weight	Recombinant protein product has a calculated molecular mass of 31 kDa. Due to the abundant glycosylation, it migrates as approximately 40-45 kDa major protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions. See deglycosylation analysis image below.
Endotoxin Level	<0.5 EU per ug of the protein as determined by the LAL method

Specifications

Format	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS (pH 7.4) with 1% mannitol and 5% trehalose
Concentration	Determined by Pierce 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

Figure 1. Deglycosylation analysis of purified recombinant proteins. Lane 1, protein ladder (kDa). Lane 2, glycosylated protein (delivered to customers). Lanes 3 and 4, deglycosylated proteins under native and denature conditions respectively.



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.