Recombinant F178B protein (His tag)

Catalog Number	551732
Species	Human
Expression System	E. coli
Accession	Q8IXR5
Molecular Weight	Predictes a molecular mass of 32.00 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	416-679
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 416-679 aa (Q8IXR5) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human FAM178B Protein Fragment (416-679) is a high-purity, soluble protein fragment designed for structural biology and functional studies. This 264-amino acid fragment represents a computationally optimized, stable domain of the FAM178B protein, providing an ideal reagent for researchers investigating protein structure and biochemical interactions. FAM178B (UniProt ID: Q8IXR5) is a human protein of significant research interest. While specific functional and subcellular localization data are not fully characterized, ongoing research aims to elucidate its biological role. This recombinant fragment, spanning residues 416-679, was selected based on structural predictions to ensure stability and solubility, facilitating experimental studies that will contribute to a deeper understanding of this protein's function and significance in cellular processes.