Recombinant F171B protein (His tag)

Catalog Number	550652
Species	Human
Expression System	E. coli
Accession	Q6P995
Molecular Weight	Predictes a molecular mass of 36.69 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 37 kDa band.

Product Information

Sequence Region	40-353
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 40-353 aa (Q6P995) 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 Protein FAM171B (Fragment 40-353) is a high-purity, soluble protein fragment designed for structural and biochemical research. This 314-amino acid fragment was computationally optimized for stability and solubility, making it an ideal tool for investigating the molecular characteristics of FAM171B in experimental settings. Protein FAM171B, encoded by the FAM171B gene in Homo sapiens, is a single-pass type I membrane protein localized to cytoplasmic granules and membranes. In neuronal cells, it exhibits vesicular-like puncta distribution in the cytoplasm, suggesting potential roles in intracellular trafficking or vesicle-associated processes. The specific functions of FAM171B remain to be fully elucidated, and this recombinant fragment provides a defined starting point for exploring its biological significance.