Recombinant FA72A protein (His tag)

Catalog Number	548977
Synonyms	Latent membrane protein 1-induced protein; LMP1-induced protein; LMPIP
Species	Human
Expression System	E. coli
Accession	Q5TYM5
Molecular Weight	Predictes a molecular mass of 18.27 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	1-149
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 1-149 aa (Q5TYM5) 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 FAM72A (1-149) is a high-quality protein fragment designed for structural and biochemical studies. This product features a stable and soluble unit of the latent membrane protein 1-induced protein (LMPIP), offering researchers a reliable tool to investigate its roles in cellular reactive oxygen species metabolism and growth regulation. Protein FAM72A, also known as latent membrane protein 1-induced protein (LMPIP), is a human protein implicated in the regulation of cellular reactive oxygen species metabolism and may contribute to cell growth control. It localizes primarily to the cytoplasm and mitochondria, with a minor fraction associated with mitochondria around the nucleus in HEK293 cells, as evidenced by studies. This recombinant fragment spans residues 1-149, representing a computationally optimized region for enhanced stability and solubility, facilitating experimental applications in understanding FAM72A's biological significance.