Recombinant ABCF3 protein (His tag)

Catalog Number	549942
Species	Human
Expression System	E. coli
Accession	Q9NUQ8
Molecular Weight	Predictes a molecular mass of 9.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	2-73
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 2-73 aa (Q9NUQ8) 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 ATP-binding cassette sub-family F member 3 (ABCF3) fragment (residues 2-73) is a high-purity protein designed for structural and biochemical studies. This 72-amino acid fragment, derived from the full-length ABCF3 protein known for its antiviral activity against flaviviruses, offers excellent stability and solubility for research applications. The full-length ATP-binding cassette sub-family F member 3 (ABCF3) protein from Homo sapiens exhibits antiviral properties against flaviviruses, including West Nile virus (WNV), particularly when co-expressed with OAS1B. This protein plays a role in cellular defense mechanisms against viral pathogens. The selected fragment (residues 2-73) represents a computationally predicted stable and soluble region, making it ideal for investigating protein structure-function relationships and conducting biochemical assays without the complexities of the full-length protein.