Recombinant ABCA9 protein (His tag)

Catalog Number	545365
Species	Human
Expression System	E. coli
Accession	Q8IUA7
Molecular Weight	Predictes a molecular mass of 47.24 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 49 kDa band.

Product Information

Sequence Region	1221-1624
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1221-1624 aa (Q8IUA7) 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 A member 9 (ABCA9) fragment (aa 1221-1624), encompassing the ABC transporter 2 domain. This high-purity protein is an essential tool for investigating lipid transport mechanisms and monocyte differentiation in cellular homeostasis studies. ATP-binding cassette sub-family A member 9 (ABCA9) is a multi-pass membrane protein localized to the membrane, functioning as a transporter implicated in monocyte differentiation and lipid transport and homeostasis. The full-length protein plays a critical role in cellular lipid management, with research suggesting its involvement in maintaining lipid balance and influencing immune cell development. This recombinant fragment specifically targets the functional ABC transporter 2 domain (aa 1288-1521), enabling focused studies on domain-specific transport activities and their contributions to ABCA9's biological roles.