Recombinant ABCAA protein (His tag)

Catalog Number	545567
Species	Human
Expression System	E. coli
Accession	Q8WWZ4
Molecular Weight	Predictes a molecular mass of 48.02 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 50 kDa band.

Product Information

Sequence Region	1134-1543
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 1134-1543 aa (Q8WWZ4) 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 10 (ABCA10) fragment (residues 1134-1543) is a high-purity protein designed to encompass the ABC transporter 2 domain. This fragment serves as an essential tool for investigating domain-specific functions in lipid transport and homeostasis mechanisms. ATP-binding cassette sub-family A member 10 is a probable transporter implicated in macrophage lipid transport and homeostasis, as supported by experimental evidence (PubMed:12821155). The full-length protein is localized to the membrane as a multi-pass membrane protein, indicating its role in transmembrane transport processes. This recombinant fragment enables focused study of the ABC transporter 2 domain's contribution to the protein's biological functions.