

Datasheet for ABIN7551764
ABCG8 Protein (AA 1-673) (His tag)



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Overview

Quantity:	1 mg
Target:	ABCG8
Protein Characteristics:	AA 1-673
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCG8 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ABCG8 Protein expressed in mammalian cells.
Sequence:	MAGKAAEERG LPKGATPQDT SGLQDRLFSS ESDNSLYFTY SGQPNTLEVR DLNYQVDLAS QVPWFELAQ FKMPWTSPSC QNSCELGIQN LSFKVRSGQM LAIIGSSGCG RASLLDVITG RGHGGKIKSG QIWINGQPSS PQLVRKCVAH VRQHNQLLPN LTVRETLAFI AQMRLPRTFS QAQRDKRVED VIAELRLRQC ADTRVGNMYV RGLSGGERRR VSIGVQLLWN PGILILDEPT SGLDSFTAHN LVKTL SRLAK GNRLVLISLH QPRSDIFRLF DLVLLMTSGT PIYLGAAQHM VQYFTAIGYP CPYRNPADF YVDLTSIDRR SREQELATRE KAQSLAALFL EKVRDLDDFL WKAETKDLDE DTCVESSVTP LDTNCLPSPT KMPGAVQQFT TLIRRQISND FRDLPTLLIH GAEACLMSMT IGFLYFGHGS IQLSFMDTAA LLMIGALIP FNVILDVISK CYSERAMLYY ELEDGLYTTG PYFFAKILGE LPEHCAYIII YGMPTYWLAN LRPGLQPFL HLLVWLVVF CCRIMALAAA ALLPTFHMAS FFSNALYNSF YLAGGFMINL SSLWTVPAWI SKVSFLRWCF EGLMKIQFSR RTYKMPLGNL TIAVSGDKIL SVMELDSYPL YAIYLIVIGL SGGFMVLYYV SLRFIKQKPS QDW Sequence without tag. The proposed Purification-Tag is based on

Product Details

experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: ABCG8

Alternative Name: ABCG8 ([ABCG8 Products](#))

Background: ATP-binding cassette sub-family G member 8 (EC 7.6.2.-) (Sterolin-2),FUNCTION: ABCG5 and ABCG8 form an obligate heterodimer that mediates Mg(2+)- and ATP-dependent sterol transport across the cell membrane. Plays an essential role in the selective transport of the dietary cholesterol in and out of the enterocytes and in the selective sterol excretion by the liver into bile (PubMed:11099417, PubMed:11452359, PubMed:27144356, PubMed:15054092). Required for normal sterol homeostasis (PubMed:11099417, PubMed:11452359, PubMed:15054092). The heterodimer with ABCG5 has ATPase activity (PubMed:16893193, PubMed:20210363, PubMed:27144356). {ECO:0000269|PubMed:11099417, ECO:0000269|PubMed:11452359, ECO:0000269|PubMed:15054092,

Target Details

ECO:0000269|PubMed:16893193, ECO:0000269|PubMed:27144356}.

Molecular Weight: 75.7 kDa

UniProt: [Q9H221](#)

Pathways: [Lipid Metabolism](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months