

Datasheet for ABIN7551762
ABCC8 Protein (AA 1-1581) (His tag)



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Overview

Quantity:	1 mg
Target:	ABCC8
Protein Characteristics:	AA 1-1581
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCC8 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ABCC8 Protein expressed in mammalian cells.
Sequence:	MPLAFCGSEN HSAAYRVDQG VLNNGCFVDA LNVVPHVFLF FITFPILFIG WGSQSSKVHI HHSTWLHFFPG HNLRWILTFM LLFVLVCEIA EGILSDGVTE SHHLHLYMPA GMAFMAAVTS VYYYHNIETS NFPKLLIALL VYWTLAFITK TIKFVKFLDH AIGFSQLRFC LTGLLVILYG MLLLVEVNVV RVRRIYFFKT PREVKPPEDL QDLGVRFLQP FVNLLSKGTY WWMNAFIKTA HKKPIDLRAI GKLPIAMRAL TNYQRLCEAF DAQVRKDIQG TQGARAIWQA LSHAFGRRLV LSSTFRILAD LLGFAGPLCI FGIVDHLGKE NDVFQPKTQF LGVYFVSSQE FLANAYVLAV LLFLALLLQR TFLQASYYYA IETGINLRGA IQTKIYNKIM HLSTSNLSMG EMTAGQICNL VAIDTNQLMW FFFLCPNLWA MPVQIIVGVI LLYYILGVSA LIGAAVIILL APVQYFVATK LSQAQRSTLE YSNERLKQTN EMLRGIKLLK LYAWENIFRT RVETTRRKEM TSLRAFAIYT SISIFMNTAI PIAAVLITFV GHVSFFKEAD FSPSVAFASL SLFHILVTPL FLLSSVVRST VKALVSVQKL SEFLSSAEIR EEQCAPHEPT PQGPASKYQA VPLRVVNRKR PAREDCRGLT GPLQSLVPSA DGDADNCCVQ IMGGYFTWTP DGIPTLSNIT IRIPRQQLTM IVGQVGCCKS

SLLLAALGEM QKVSGAVFWS SLPDSEIGED PSPERETATD LDIRKRGVA YASQKPWLLN
ATVEENIIFE SPFNKQRYKM VIEACSLQPD IDILPHGDQT QIGERGINLS GGQRQRISVA
RALYQHANNV FLDDPFSALD IHLSDHLMQA GILELLRDDK RTVVLVTHKL QYLPHADWII
AMKDGTIQRE GTLKDFQRSE CQLFEHWKTL MNRQDQELEK ETVTERKATE PPQGLSRAMS
SRDGLLQDEE EEEEEAAESE EDDNLSSMLH QRAEIPWRAC AKYLSSAGIL LLSLLVFSQL
LKHMLVLAID YWLAKWTDSA LTLTPAARNC SLSQECTLDQ TVYAMVFTVL CSLGIVLCLV
TSVTVEWTGL KVAKRLHRSL LNRIILAPMR FFETTPLGSI LNRFSDDCNT IDQHIPSTLE
CLSRSTLLCV SALAVISYVT PVFLVALLPL AIVCYFIQKY FRVASRDLQ LDDTTQLPLL
SHFAETVEGL TTIRAFRYEA RFQQKLEYT DSNNIASLFL TAANRWLEVR MEYIGACVVL
IAAVTSISNS LHRELSAGLV GLGLTYALMV SNYLNWMVRN LADMELQLGA VKRIHGLLKT
EAESYEGLLA PSLIPKNWPD QGKIQIQLNS VRYDSSLKPV LKHVNALIAP GQKIGICGRT
GSGKSSFSLA FFRMVDTFEG HIIIDGIDIA KLPLHTLSR LSILQDPVL FSGTIRFNL PERKCSDSL
WEALEIAQLK LVVKALPGGL DAIITEGGEN FSQGQRQLFC LARAFVRKTS IFIMDEATAS
IDMATENILQ KVVMTAFADR TVVTIAHRVH TILSADLVIV LKRGAILFD KPEKLLSRKD
SVFASFVRAD K **Sequence without tag. The proposed Purification-Tag is based on 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)

Product Details

Grade: custom-made

Target Details

Target: ABCC8

Alternative Name: ABCC8 ([ABCC8 Products](#))

Background: ATP-binding cassette sub-family C member 8 (Sulfonylurea receptor 1),FUNCTION: Subunit of the beta-cell ATP-sensitive potassium channel (KATP). Regulator of ATP-sensitive K(+) channels and insulin release. {ECO:0000269|PubMed:24814349, ECO:0000269|PubMed:25720052}.

Molecular Weight: 177.0 kDa

UniProt: [Q09428](#)

Pathways: [Negative Regulation of Hormone Secretion](#)

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