

Datasheet for ABIN7562069
ABCB5 Protein (AA 1-1255) (His tag)



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Overview

Quantity:	1 mg
Target:	ABCB5
Protein Characteristics:	AA 1-1255
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCB5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Abcb5 Protein expressed in mammalien cells.
Sequence:	MANSERTNGL QETNQRYGPL QEQVPKVGNG AVGP IEIFRF ADNLDIVLMT LGILASMING ATVPLMSLVL GEISDH LING CLVQTNRTKY QNCSQTQEK L NEDIIVLTLY YIGIGAAALI FGYVQISFWW ITAARQTTRI RKQFFHSILA QDISWFDGSD ICELNTRMTG DINKLCDGIG DKIPLMFQNI SGFSIGLVIS LIKSWKLSLV VLSTSPLIMA SSALCSRMII SLTSKELDAY SKAGAVAE EA LSSIQTVTAF GAQEKEIQRY TQHLKDAKDA GIKRATASKL SLGAVYFFMN GAYGLAFWYG TSLIFGGEPG YTIGTILAVF FSVIHSSYCI GSVAPHLET F TVARGAAFNI FQVIDKKPNI DNFSTAGFVP ECIEGNIEFK NVSFSYPSRP SAKVLKGLNL KIKAGETVAL VGPSGSGKST TVQLLQRLYD PEDGCITVDE NDIRAQNVRH YREQIGVVRQ EPVLF GTTIG NNIKFGREGV GEKEMEQ AAR EANAYDFIMA FPKKFNTLVG EKGAQMSSGGQ KQRIAIARAL VRNPKILILD EATSALDTES ESLVQTALEK ASKGR TTIVV AHRLSTIRGA DLIVTMKDGM VVEKGTHAEL MAKQGLYYS L AMAQDIKKVD EQMESRTCST AGNASYGS LC DVNSAKAPCT

DQLEEAVHHQ KTSLEPEVSL KIFKLSKSEW PFVVLGTLAS ALNGSVHPVF SIIFGKLVTM
FEDKNKATLK QDAELYSMML VVLGIVALVT YLMQGLFYGR AEENLAMRLR HSAFKAMLYQ
DMAWYDDKEN NTGALTTTLA VDVAQIQGAA TSRLGIVTQD VSNMSLSILI SFIYGWEMTL
LILSFAPVLA VTGMIQTAAM AGFANRDKQA LKRAGKIATE AVENIRTVVS LTRERAFEQM
YEETLQTQHR NALKRAHITG CCYAVSHAFV HFAHAAGFRF GAYLIQAGRM MPEGMFIVFT
AIAYGAMAIG ETLVWAPEYS KAKAGASHLF ALLKNKPTIN SCSQSGEKPD TCEGNLEFRE
VSFVYPCRPE VPVLQNMSLS IEKGKTVAFV GSSGCGKSTC VQLLQRFYDP MKGQVLLDGV
DVKELNVQWL RSQTAIVSQE PVLFNCSIAE NIAYGDNSRM VPLEEIKEVA DAANIHSFIE
GLPRKYNTLV GLRGVQLSGG QKQRLAIARA LLRKPKILL DEATSALDNE SEKVVQQALD
KARRGKTCLV VAHRLSTIQN ADMIVVLQNG SIKEQGTHQE LLRNGDTYFK LVAAH **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

ABCB5

Alternative Name:

Abcb5 ([ABCB5 Products](#))

Target Details

Background: ATP-binding cassette sub-family B member 5 (ABCB5 P-gp) (P-glycoprotein ABCB5) (EC 7.6.2.2),FUNCTION: Energy-dependent efflux transporter responsible for decreased drug accumulation in multidrug-resistant cells (By similarity). Specifically present in limbal stem cells, where it plays a key role in corneal development and repair (PubMed:25030174). {ECO:0000250|UniProtKB:Q2M3G0, ECO:0000269|PubMed:25030174}.

Molecular Weight: 137.4 kDa

UniProt: [B5X0E4](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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