

Datasheet for ABIN7565097

## ABCB9 Protein (AA 1-762) (His tag)



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### Overview

Quantity:	1 mg
Target:	ABCB9
Protein Characteristics:	AA 1-762
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABCB9 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Abcb9 Protein expressed in mammalian cells.
Sequence:	<p>MRLWKAVVVT LAFVSTDVGV TTAIYAFSHL DRSLLDIRH FNIFDSVLDL WAACLYRSCL</p> <p>LLGATIGVAK NSALGPRRLR ASWLITLVC LFVGIYAMAK LLLFSEVRRP IRDPFWFALF</p> <p>VWTYISLAAS FLLWGLLATV RPDAALEPG NEGFHGEGGA PAEQASGATL QKLLSYTKPD</p> <p>VAFLVAASFF LIVAALGETF LPYYTGRAID SIVIQKSMDQ FTTAVVVVCL LAIGSSLAAG</p> <p>IRGGIFTLVF ARLNIRLRNC LFRSLVSQET SFFDENRTGD LISRLTSDTT MVSDLVSQNI</p> <p>NIFLRNTVKV TGVVVFMSL SWQLSLVTFM GFPIIMMVSNI IYGYKRLS KEVQSALARA</p> <p>STTAETISA MKTVRSFANE EEEAEVFLRK LQQVYKLNK EAAAYMSYVW GSGLTLLVVQ</p> <p>VSILYYGGHL VISQMSSGN LIAFIIEFV LGDCMESVGS VYSGLMQGVG AAEKVFEFID</p> <p>RQPTMVHDGS LAPDHLEGRV DFENVTFYR TRPHTQVLQN VSFSLSPGKV TALVGPSGSG</p> <p>KSSCVNILEN FYPLQGGRVL LDGKPIGAYD HKYLHRVISL VSQEPVLFAR SITDNISYGL</p> <p>PTVPFEMVVE AAQKANAHGF IMELQDGYST ETGEKGAQLS GGQKQRVAMA RALVRNPPVL</p>

ILDEATSALD AESEYLIQQA IHGNLQRHTV LIIAHLSTV ERAHLIVVLD KGRVVQQGTH  
QQLLAQGGLY AKLVQRQMLG LEHPLDYTAS HKEPPSNTEH KA **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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	ABCB9
Alternative Name:	Abcb9 ( <a href="#">ABCB9 Products</a> )
Background:	ABC-type oligopeptide transporter ABCB9 (EC 7.4.2.6) (ATP-binding cassette sub-family B member 9) (ATP-binding cassette transporter 9) (ABC transporter 9 protein) (mABCB9) (TAP-like protein) (TAPL),FUNCTION: ATP-dependent low-affinity peptide transporter which translocates a broad spectrum of peptides from the cytosol to the lysosomal lumen for degradation. Displays a broad peptide length specificity from 6-mer up to at least 59-mer peptides with an optimum of 23-mers. Binds and transports smaller and larger peptides with the same affinity. Favors positively charged, aromatic or hydrophobic residues in the N- and C-terminal positions whereas negatively charged residues as well as asparagine and methionine

## Target Details

	are not favored. {ECO:0000250 UniProtKB:Q9NP78}.
Molecular Weight:	84.0 kDa
UniProt:	<a href="#">Q9JJ59</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a>

## 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