

Datasheet for ABIN7564616

## SLC47A1 Protein (AA 1-567) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	SLC47A1
Protein Characteristics:	AA 1-567
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC47A1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Slc47a1 Protein expressed in mammalian cells.
Sequence:	<p>MERTEESAPG PGGADAASER RGLRCLLLPG FLEELRALLV LAGPAFLAQL MMFLISFISS</p> <p>VFCGHLGKLE LDAVTLIAV INVTGISVGH GLSSACDTLI SQTYSQNLK HVGVLQRGT</p> <p>LILLCCFPC WALFINTEQI LLLFRQDPDV SRLTQTYVMI FIPALPAAFL YTLQVKYLLN</p> <p>QGIVLPQIMT GIAANLVNAL ANYVFLYHLH LGVMGSALAN TISQFALAIF LFLYILWRRRL</p> <p>HQATWGGWSW ECLQDWASFL RLAIPSMLML CIEWWAYEVG SFLSGILGMV ELGAQSITYE</p> <p>LAIIVYMIPS GFSVAANVRV GNALGAGNID QAKKSSAISL IVTELFVTF CVLLLGCKDL</p> <p>VGYIFTTDRD IVALVAQVIP IYAVSHLFEG LACTCGGILR GTGNQKVGAI VNAIGYYVIG</p> <p>LPIGIALMFA AKLGVIGLWS GIIICTTCQT TCFLAFIARL NWKRACQQAQ VHANLKVNV</p> <p>LNSAVSHEPA HPVCPESHGE IMMTDLEKGD ETQLDQPMNQ QQALPIRPKD SNKLSGKQLA</p> <p>LRRGLLLLGV VLVLVGGILV RVYIRIE <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein</b></p>

**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:

SLC47A1

### Alternative Name:

Slc47a1 ([SLC47A1 Products](#))

### Background:

Multidrug and toxin extrusion protein 1 (MATE-1) ( mMATE-1) (Solute carrier family 47 member 1),FUNCTION: Multidrug efflux pump that functions as a H(+)/organic cation antiporter (PubMed:16641166, PubMed:19332510). Plays a physiological role in the excretion of cationic compounds including endogenous metabolites, drugs, toxins through the kidney and liver, into urine and bile respectively (By similarity). Mediates the efflux of endogenous compounds such as creatinine, vitamin B1/thiamine, agmatine and estrone-3-sulfate (By similarity). May also contribute to regulate the transport of cationic compounds in testis across the blood-testis-barrier (By similarity). {ECO:0000250|UniProtKB:Q96FL8, ECO:0000269|PubMed:16641166, ECO:0000269|PubMed:19332510}.

### Molecular Weight:

61.6 kDa

### UniProt:

[Q8K0H1](#)

## 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.
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Restrictions:	For Research Use only
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## 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