

Datasheet for ABIN7555429
SLC47A2 Protein (AA 1-602) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC47A2
Protein Characteristics:	AA 1-602
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC47A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC47A2 Protein expressed in mammalian cells.
Sequence:	<p>MDSLQDTVAL DHGGCCPALS RLVPRGFGTE MWTLFALSGP LFLFQVLTFM IYIVSTVFCG HLGKVELASV TLAVAFVNVG GVSVGVLSS ACDTLMSQSF GSPNKKHVG V ILQRGALVLL LCCLPCWALF LNTQHILLF RQDPDVSRLT QDYVMIFIPG LPVIFLYNLL AKYLQNQGWL KGQEEESPFG TPGLSILHPS HSHLSRASFH LFQKITWPQV LSGVVGNCVN GVANYALVSV LNLGVRGSAY ANIISQFAQT VFLLLYIVLK KLHLETWAGW SSQCLQDWGP FFS LAVPSML MICVEWWAYE IGSFLMGLLS VVDLSAQAVI YEVATVTYMI PLGLSIGVCV RVGMALGAAD TVQAKRS AVS GVLSIVGISL VLGTLISILK NQLGHIFTND EDVIALVSQV LPVYSVFHVF EAICCVYGGV LRGTGKQAFG AAVNAITYYI IGLPLGILLT FVVRMRIMGL WLGMLACVFL ATAAFVAYTA RLDWKLA AEE AKKHSGRQQQ QRAESTATRP GPEKAVLSSV ATGSSPGITL TTYSRSECHV DFFRTPEEAH ALSAPTSRLS VKQLVIRRG A ALGAASATLM VGLTVRILAT RH</p> <p>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.</p>

Product Details

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: SLC47A2

Alternative Name: SLC47A2 ([SLC47A2 Products](#))

Background: Multidrug and toxin extrusion protein 2 (MATE-2) (hMATE-2) (Kidney-specific H(+)/organic cation antiporter) (Solute carrier family 47 member 2),FUNCTION: Multidrug efflux pump that functions as a H(+)/organic cation antiporter. Mediates the efflux of cationic compounds, such as the model cations, tetraethylammonium (TEA) and 1-methyl-4-phenylpyridinium (MPP+), the platinum-based drug oxaliplatin or weak bases that are positively charged at physiological pH, cimetidine, the platinum-based drugs cisplatin and oxaliplatin or the antidiabetic drug metformin. Mediates the efflux of endogenous compounds such as, creatinine, thiamine and estrone-3-sulfate. Plays a physiological role in the excretion of drugs, toxins and endogenous metabolites through the kidney. {ECO:0000269|PubMed:16807400, ECO:0000269|PubMed:16914559, ECO:0000269|PubMed:17509534,

Target Details

ECO:0000269|PubMed:19158817, ECO:0000269|PubMed:21419862}, FUNCTION: [Isoform 6]:
Non-functional protein. {ECO:0000269|PubMed:16807400}.

Molecular Weight: 65.1 kDa

UniProt: [Q86VL8](#)

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
