

Datasheet for ABIN7555368

Solute Carrier Family 52 (Riboflavin Transporter), Member 3 (SLC52A3) (AA 1-469) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Solute Carrier Family 52 (Riboflavin Transporter), Member 3 (SLC52A3)
Protein Characteristics:	AA 1-469
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant SLC52A3 Protein expressed in mammalian cells.
Sequence:	<p>MAFLMHLLVC VFGMGSWVTI NGLWVELPLL VMELPEGWYL PSYLTVVIQL ANIGPLLVTL LHHFRPSCLS EVPIIFTLLG VGTVTCIIFA FLWNMTSWVL DGHHSIAFLV LTFFLALVDC TSSVTFLPFM SRLPTYYLTT FVGEGLSGL LPALVALAQQ SGLTTCVNVT EISDSVPSPV PTRETDIAQG VPRALVSALP GMEAPLSHLE SRYLPAHFSP LVFFLLLSIM MACCLVAFFV LQRQPRCWEA SVEDLLNDQV TLHSIRPREE NDLGPAGTVD SSQGQGYLEE KAAPCCPAHL AFIYTLVAFV NALTNGMLPS VQTYSCLSYG PVAYHLAATL SIVANPLASL VSMFLPNRSL LFLGVLSVLG TCFGGYNMAM AVMSPCPLLQ GHWGGEVLIV ASWVLFSGCL SYVKVMLGVV LRDLRSALL WCGAAVQLGS LLGALLMFPL VNVLRLFSSA DFCNLHCPA Sequence without tag.</p> <p>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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

Solute Carrier Family 52 (Riboflavin Transporter), Member 3 (SLC52A3)

Alternative Name:

SLC52A3 ([SLC52A3 Products](#))

Background:

Solute carrier family 52, riboflavin transporter, member 3 (Riboflavin transporter 2) (hRFT2),FUNCTION: Plasma membrane transporter mediating the uptake by cells of the water soluble vitamin B2/riboflavin that plays a key role in biochemical oxidation-reduction reactions of the carbohydrate, lipid, and amino acid metabolism (PubMed:20463145, PubMed:22273710, PubMed:24264046, PubMed:27702554). Humans are unable to synthesize vitamin B2/riboflavin and must obtain it via intestinal absorption (PubMed:20463145). {ECO:0000269|PubMed:20463145, ECO:0000269|PubMed:22273710, ECO:0000269|PubMed:24264046, ECO:0000269|PubMed:27702554, ECO:0000303|PubMed:20463145}.

Molecular Weight:

50.8 kDa

UniProt:

[Q9NQ40](#)

Target Details

Pathways: [Sensory Perception of Sound](#)

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