

Datasheet for ABIN7561552
SLC15A1 Protein (AA 1-709) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC15A1
Protein Characteristics:	AA 1-709
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC15A1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Slc15a1 Protein expressed in mammalian cells.
Sequence:	<p>MGMSKSRGCF GYPLSIFIV VNEFCERFSY YGMRALLVLY FRNFLGWDDN LSTAIYHTFV ALCYLTPILG ALIADSWLGK FKTIVSLSIV YTIGQAVISV SSINDLTDHD HNGSPDSLPIV HVALSMVGLA LIALGTGGIK PCVSAFGGDQ FEEGQEKQRN RFFSIFYLAI NGSLLSTII TPILRVQQCG IHSQQACYPL AFGVPAALMA VALIVFVLGS GMYKKFQPQG NIMGKVAKCI GFAIKNRFRH RSKAYPKREH WLDWAKEKYD ERLISQIKMV TKVMFLYIPL PMFWALFDQQ GSRWTLQATT MNGKIGAEI QPDQMQTUNA ILIVIMVPIV DAVVYPLIAK CGFNFTSLKK MTVGMFLASM AFVVAIVQV EIDKTLPVFP GGNQVQIKVL NIGNNNMTVH FPGNSVTLAQ MSQTDTFMTF DIDKLT SINI SSSGSPGVTT VAHDFEQGHR HTLLVWNPSQ YRVVKDGLNQ KPEKGENGIR FVNTLNEMVT IKMSGKVYEN VTSHNASGYQ FFPSGEKQYT INTTAVAPTC LTDFKSSNLD FGSAYTYVIR RASDGCLEVK EFEDIPPNTV NMALQIPQYF LLTCGEVVFS VTGLEFSYSQ APSNMKSVLQ AGWLLTVAVG NIIVLIVAGA GHFPKQWAEY ILFASLLLVV CVIFAIMARF YTYINPAEIE AQFDEDEK KKK GIGKENPYSS LEPVSQTNM Sequence without tag.</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.

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: SLC15A1

Alternative Name: Slc15a1 ([SLC15A1 Products](#))

Background: Solute carrier family 15 member 1 (Intestinal H(+)/peptide cotransporter) (Oligopeptide transporter, small intestine isoform) (Peptide transporter 1) (Proton-coupled dipeptide cotransporter),FUNCTION: Electrogenic proton-coupled amino-acid transporter that transports oligopeptides of 2 to 4 amino acids with a preference for dipeptides. Transports neutral and monovalently charged peptides with a proton to peptide stoichiometry of 1:1 or 2:1 (PubMed:11004485) (By similarity). Primarily responsible for the absorption of dietary di- and tripeptides from the small intestinal lumen (By similarity). Mediates transepithelial transport of muramyl and N-formylated bacterial dipeptides contributing to recognition of pathogenic

Target Details

bacteria by the mucosal immune system (By similarity). {ECO:0000250|UniProtKB:P36836, ECO:0000250|UniProtKB:P46059, ECO:0000269|PubMed:11004485, ECO:0000269|PubMed:26320580}.

Molecular Weight: 78.6 kDa

UniProt: [Q9JIP7](#)

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