

Recombinant Human SLC15A1

Cat. No. SLC15A1-30924TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment (amino acids 473-572) of Human SLC15A1 with a proprietary tag at the N terminal; Predicted MW 36.63 kDa, inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes an intestinal hydrogen peptide cotransporter that is a member of the solute carrier family 15. The encoded protein is localized to the brush border membrane of the intestinal epithelium and mediates the uptake of di- and tripeptides from the lumen into the enterocytes. This protein plays an important role in the uptake and digestion of dietary proteins. This protein also facilitates the absorption of numerous peptidomimetic drugs.
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

VKDGLNQKPEKGENGIRFVNTFNELITITMSGKVYANISSYNASTYQFFPSGIKGFTIS
STEIPPQCQPNFNTFYLEFGSAYTYIVQRKNDSCPEVKVFE

Sequence Similarities

Belongs to the PTR2/POT transporter (TC 2.A.17) family.

GENE INFORMATION

Gene Name

SLC15A1 solute carrier family 15 (oligopeptide transporter), member 1 [Homo sapiens]

Official Symbol

SLC15A1

Synonyms

SLC15A1; solute carrier family 15 (oligopeptide transporter), member 1; solute carrier family 15 member 1; bA551M18.1.1 (solute carrier family 15 (oligopeptide transporter) member 1); HPECT1; HPEPT1; PEPT1; peptide transporter HPEPT1; solute carrier famil

Gene ID

6564

mRNA Refseq

NM_005073

Protein Refseq

NP_005064

MIM

600544

Uniprot ID

P46059

Chromosome Location

13q33-q34

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Pathway	Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem; Proton/oligonucleotide cotransporters, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem;
Function	molecular_function; oligopeptide transporter activity; peptide:hydrogen symporter activity; symporter activity; transporter activity;

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