

Recombinant Human SLC22A1 Protein

Cat. No. SLC22A1-677H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC22A1 Full-Length ORF Protein is produced by Wheat Germ (in vitro) expression system.
Species	Human
Source	Wheat Germ
Description	Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. This gene is one of three similar cation transporter genes located in a cluster on chromosome 6. The encoded protein contains twelve putative transmembrane domains and is a plasma integral membrane protein. Two transcript variants encoding two different isoforms have been found for this gene, but only the longer variant encodes a functional transporter.
Form	Liquid, 25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	61 kDa
AA Sequence	MPTVDDILEQVGESGWFKQAFLILCLLSAAFAPICVGIVFLGFTPDHHCQSPGVAEL SQRCGWSPAEEELNYTPGLGPAGEAFLGQCRRYEVDWNQSALSCVDPLASLATNR SHLPLGPCQDGVVYDTPGSSIVTEFNLVCADSWKLDLFQSCLNAGFFFFGSLGVGYF ADRFGRKLCLLGTVLVNAVSGVLMASFNPYMSMLLFRLQLGLVSKGNWMAGYTLIT EFVGSGSRRTVAIMYQMAFTVGLVALTGLAYALPHWRWLQLAVSLPTFLFLYYWC VPESPRWLLSQKRNTEAIKIMDHIAQKNGKLPPADLKMLSLEEDVTEKLSPSFADLFR

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TPRLRKRTFILMYLWFTDSVLYQGLILHMGATSGNLYLDFLYSALVEIPGAFIALITIDR
VGRIYPMAMSNLLAGAACLVMI FISPDLHWLNIIIMCVGRMGITIAIQMICLVNAELYPT
FVRNLGVMVCSSLCDIGGIITPFIVFRLREVWQALPLILFAVLGLLAAGVTLLLPETKGV
ALPETMKDAENLGRKAKPKENTIYLVQTSSEPSGT

Applications

Antibody Production

Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Notes

Best use within three months from the date of receipt of this protein

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

SLC22A1 solute carrier family 22 (organic cation transporter), member 1 [Homo sapiens]

Official Symbol

SLC22A1

Synonyms

SLC22A1; OCT1; HOCT1; oct1_cds;

Gene ID

6580

mRNA Refseq

NM_003057

Protein Refseq

NP_003048

MIM

602607

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UniProt ID

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