

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	MPTVDDILEQVGESGWVQKQAFILCLLSAAFAPICVGIVFLGFTPDHHCQSPGVAEL SQRCGWSPAEEELNYTVPGLGPAGEAFLGQCRRYEVDWNQSALSCVDPLASLATNR SHLPLGPCQDGVVYDTPGSSIVTEFNLVCADSWKLDLFQSCLNAGFFFFGSLGVGYF ADRFGRKLCLLGTVLVNAVSGVLMFAFSPNYMSMLLFRLLQGLVSKGNWMAGYTLIT EFGSGSRRTVAIMYQMAFTVGLVALTGLAYALPHWRWLQLAVSLPTFLFLYYWC VPESPRWLLSQKRNTEAIKIMDHIAQKNGKLPADLKMLSLEEDVTEKLSPSFADLFR

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TPRLRKRTFILMYLWFTDSVLYQGLILHMGATSGNLYLDFLYSALVEIPGAFIALITIDR
VGRIYPMAMSNLLAGAACLVMI FISPDLHWNIIIMCVGRMGITIAIQMICLVNAELYPT
FVRNLGVMVCSSLCDIGGIITPFIVFRLREVWQALPLILFAVLGLLAAGVTLLL PETKGV
ALPETMKDAENLGRKAKPKENTIYLVKVTSEPSGT

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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