

Recombinant Human SLC22A2 Protein, GST-tagged

Cat. No. SLC22A2-670H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC22A2 Full-Length ORF Protein (1-555 aa) is produced by Wheat Germ (in vitro) expression system. This protein is fused with a GST tag at the N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	1-555 aa
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. It is found primarily in the kidney, where it may mediate the first step in cation reabsorption.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	89 kDa
AA Sequence	MPTTVDDVLEHGGEFHFFQKQMFFLLALLSATFAPIYVGIVFLGFTPDHRCRSPGVA ELSLRCGWSPAEEELNYTVPGPAGEASPRQCRRYEVDWNQSTFDCVDPLASLDT NRSRLPLGPCRDGWVYETPGSSIVTEFNLVCANSWMLDLFQSSVNVGFFIGSMSIG

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YIADRFGRKLCLLTTVLINAAAGVLMASPTYTWMLIFRLIQGLVSKAGWLIGYILITEFV
 GRRYRRTVGIFYQVAYTVGLLVLAGVAYALPHWRWLQFTVALPNFFFLYYWCIPES
 PRWLISQNKNAEAMRIIKHIAKKNKGKSLPASLQRLRLEEETGKKLNPSFLDLVRTPQIR
 KHTMILMYNWFTSSVLYQGLIMHMGLAGDNIYLDFFYSALVEFPAAFMILTIDRIGRR
 YPWAASNMVAGAACLASVFIPGDLQWLKIIISCLGRMGITMAYEIVCLVNAELYPTFIR
 NLGVHICSSMCDIGGIITPFLVYRLTNIWLELPLMVFGVLGLVAGGLVLLL PETKGKAL
 PETIEEAENMQRP RK NKEKMIYLQVQKLDIPLN

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

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

SLC22A2 solute carrier family 22 (organic cation transporter), member 2 [Homo sapiens]

Official Symbol

SLC22A2

Synonyms

SLC22A2; OCT2; MGC32628;

Gene ID

6582

mRNA Refseq

NM_003058

Protein Refseq

NP_003049

MIM

602608

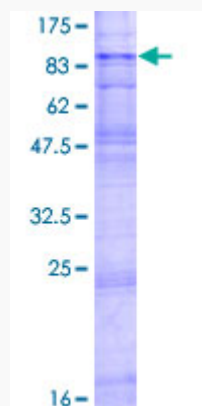
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UniProt ID

O15244



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