

Recombinant Full Length Human SLC22A2 Protein, GST-tagged

Cat. No. SLC22A2-6816HF **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	In Vitro Cell Free System
ProteinLength	555 amino acids
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 ELSLRCGWSPAEEELNYTPGPGPAGEASPRQCRRYEVDWNQSTFDCVDPLASLDT

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NRSRLPLGPCRDGWVYETPGSSIVTEFNLVCANSWMLDLFQSSVNVGFFIGSMSIG
 YIADRFGRKLCLLTTVLINAAAGVLMASPTYTWMLIFRLIQGLVSKAGWLIGYILITEFV
 GRRYRRTVGIFYQVAYTVGLLVLAGVAYALPHWRWLQFTVALPNFFFLYYWCIPES
 PRWLISQNKNAEAMRIIKHIAKKNKSLPASLQRLRLEEETGKKLNPSFLDLV RTPQIR
 KHTMILMYNWFTSSVLYQGLIMHMGLAGDNIYLDFFYSALVEFPAAFMILTIDRIGRR
 YPWAASN MVAGAACLASVFIPGDLQWLKIIISCLGRMGITMAYEIVCLVNAELYPTFIR
 NLGVHICSSMCDIGGIITPFLVYRLTNIWLELPLMVFGVLGLVAGGLVLLL PETKGKAL
 PETIEEAENMQRPRKNKEKMIYLQVQKLDIPLN

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

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MIM	602608
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UniProt ID	O15244
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