

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
Protein Length	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	MPTTVDDVLEHGGEFHFFQKQMFLLALLSATFAPIYVGIVFLGFTPDHRCRSPGVA ELSLRCGWSPAEEELNYTVPGPAGEASPRQCRRYEVDWNQSTFDCVDPLASLDT

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NRSRLPLGPCRDGWVYETPGSSIVTEFNLCANSWMLDLFQSSVNVGFFIGSMSIG
 YIADRFGRKLCLLTTVLINAAAGVLMASPTYTWMLIFRLIQGLVSKAGWLIGYILITEFV
 GRRYRRTVGIFYQVAYTVGLLVLAGVAYALPHWRWLQFTVALPNFFFLYYWCIPES
 PRWLISQNKNAEAMRIIKHIAKKNKSLPASLQRLRLEEETGKKNPSFLDLVTRTPQIR
 KHTMILMYNWFTSSVLYQGLIMHMGLAGDNIYLDFFYLSALVEFPAAFMILTIDRIGRR
 YPWAASNMVAGAACLASVFIPGDLQWLKIIISCLGRMGITMAYEIVCLVNAELYPTFIR
 NLGVHICSSMCDIGGIITPFLVYRLTNIWLELPLMVFGVLGLVAGGLVLLLPEKTKGKAL
 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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