Recombinant Full Length Human SLC22A1 Protein, GST-tagged

Cat. No. SLC22A1-6823HF **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	In Vitro Cell Free System
ProteinLength	1049 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. 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	MPTVDDILEQVGESGWFQKQAFLILCLLSAAFAPICVGIVFLGFTPDHHCQSPGVAEL SQRCGWSPAEELNYTVPGLGPAGEAFLGQCRRYEVDWNQSALSCVDPLASLATNR SHLPLGPCQDGWVYDTPGSSIVTEFNLVCADSWKLDLFQSCLNAGFFFGSLGVGYF

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	ADRFGRKLCLLGTVLVNAVSGVLMAFSPNYMSMLLFRLLQGLVSKGNWMAGYTLIT EFVGSGSRRTVAIMYQMAFTVGLVALTGLAYALPHWRWLQLAVSLPTFLFLLYYWC VPESPRWLLSQKRNTEAIKIMDHIAQKNGKLPPADLKMLSLEEDVTEKLSPSFADLFR TPRLRKRTFILMYLWFTDSVLYQGLILHMGATSGNLYLDFLYSALVEIPGAFIALITIDR VGRIYPMAMSNLLAGAACLVMIFISPDLHWLNIIIMCVGRMGITIAIQMICLVNAELYPT FVRNLGVMVCSSLCDIGGIITPFIVFRLREVWQALPLILFAVLGLLAAGVTLLLPETKGV ALPETMKDAENLGRKAKPKENTIYLKVQTSEPSGT
Applications	Antibody Production
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	O15245

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