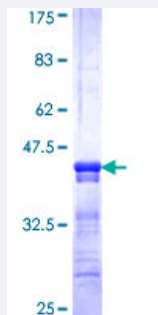


SLC22A4 (Human) Recombinant Protein (Q01)

Catalog # H00006583-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SLC22A4 partial ORF (NP_003050, 43 a.a. - 141 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AGTPEHRCRVPDAANLSSAWRNNSVPLRLRDGREVPHSCSRYLATIANFSALGLEPGRDVDLG QLEQESCLDGWEFSQDVYLSTVVTEWNLVCEDNWK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (78); Rat (81)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — SLC22A4

Entrez GeneID [6583](#)

GeneBank Accession# [NM_003059](#)

Protein Accession# [NP_003050](#)

Gene Name SLC22A4

Gene Alias MGC34546, MGC40524, OCTN1

Gene Description solute carrier family 22 (organic cation/ergothioneine transporter), member 4

Omim ID [180300](#) [266600](#) [604190](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. The encoded protein is an organic cation transporter and plasma integral membrane protein containing eleven putative transmembrane domains as well as a nucleotide-binding site motif. Transport by this protein is at least partially ATP-dependent. [provided by RefSeq]

Other Designations integral membrane transport protein|organic cation transporter 4|solute carrier family 22 (organic cation transporter), member 4|solute carrier family 22 member 4

Disease

- [Anus Diseases](#)
- [Arthritis](#)
- [Asthma](#)

- [Autoimmune Diseases](#)
- [Bronchiolitis](#)
- [Cholangitis](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Epilepsy](#)
- [Food Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Hypersensitivity](#)
- [Ileitis](#)
- [Immune System Diseases](#)
- [Inflammation](#)
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- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Psoriasis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)