

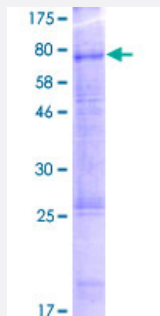
Full-Length

SLC22A12 (Human) Recombinant Protein (P01)

Catalog # H00116085-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC22A12 full-length ORF (NP_653186.2, 1 a.a. - 553 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAFSELLDLVGGLGRFQVLQTMALMVSIMWLCTQSMLNFSAAVPSHRCWAPLLDNSTAQASIL
GSLSPEALLAISIPPGPNQRPHQCRRFRQPQWQLDPNATATSWSEADTEPCVDGWVYDRSIFT
STIVAKWNLVCDSHALKPMASQSYLAGILVGAAACGPASDRFGRRRLVLTWSYLQMAVMGTAAFA
PAFPVYCLFRFLLAFVAVAGVMMNTGTLLMEWTAARARPLVMTLNSLGFSFGHGLTAAVAYGVRD
WTLQLLVSVPPFLCFLYSWWLAESARWLLTTGRLDWGLQELWRVAAINGKGAVQDTLTPEVLL
SAMREELSMGQPPASLGTLRMPGLRFRTCISTLCWFAFGFTFFGLALDLQALGSNIFLLQMFIGV
VDIPAKMGALLLSHLGRRPTLAASLLLAGLCILANTLVPHEMGALRSALAVLGLGGVGAAFTCITY
SSELFPTVLRMTAVGLGQMAARGGAILGPLVRLVGHPWLPLLVGTVPVLSGLAALLLPETQS
LPLPDTIQDVQNAQAVKKATHGTLGNSVLKSTQF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

86

Interspecies Antigen Sequence

Mouse (74); Rat (74)

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 — SLC22A12

Entrez GeneID	116085
GeneBank Accession#	NM_144585.2
Protein Accession#	NP_653186.2
Gene Name	SLC22A12
Gene Alias	OAT4L, RST, URAT1
Gene Description	solute carrier family 22 (organic anion/urate transporter), member 12
Omim ID	220150 607096
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a urate transporter and urate-anion exchanger which regulate s the level of urate in the blood. This protein is an integral membrane protein primarily found in kidney. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000042665 organic anion transporter 4-like solute carrier family 22 (organic anion/cation transporter), member 12 solute carrier family 22 member 12 urate anion exchanger 1 urate transporter 1

Disease

- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Gout](#)
- [Hemochromatosis](#)
- [Hyperuricemia](#)
- [Iron Overload](#)
- [Kidney Diseases](#)