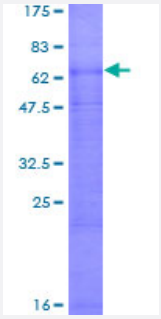
Full-Length

SLC7A9 (Human) Recombinant Protein (P01)

Catalog # H00011136-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SLC7A9 full-length ORF (NP_055085.1, 1 a.a. - 487 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGDTGLRKRREDEKSIQSQEPKTTSLQKELGLISGISIIVGTIIGSGIFVSPKSVLSNTEAVGPCLIIWA ACGVLATLGALCFAELGTMITKSGGEYPYLMEAYGPIPAYLFSWASLIVIKPTSFAIICLSFSEYVCAP FYVGCKPPQIVVKCLAAAAILFISTVNSLSVRLGSYVQNIFTAAKLVIVAIIISGLVLLAQGNTKNFDNS FEGAQLSVGAISLAFYNGLWAYDGWNQLNYITEELRNPYRNLPLAIIIGIPLVTACYILMNVSYFTVMT ATELLQSQAVAVTFGDRVLYPASWIVPLFVAFSTIGAANGTCFTAGRLIYVAGREGHMLKVLSYISV RRLTPAPAIIFYGIIATIYIIPGDINSLVNYFSFAAWLFYGLTILGLIVMRFTRKELERPIKVPVVIPVLMTLI SVFLVLAPIISKPTWEYLYCVLFILSGLLFYFLFVHYKFGWAQKISKPITMHLQMLMEVVPPEEDPE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	79.9
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 — SLC7A9

Entrez GeneID	11136
GeneBank Accession#	NM_014270.3
Protein Accession#	NP_055085.1
Gene Name	SLC7A9
Gene Alias	BAT1, CSNU3, FLJ94301
Gene Description	solute carrier family 7 (cationic amino acid transporter, y+ system), member 9
Omim ID	220100 604144
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that belongs to a family of light subunits of amino acid transporters. This protein plays a role in the high-affinity and sodium-independent transport of cystine and neutr al and dibasic amino acids, and appears to function in the reabsorption of cystine in the kidney tu bule. Mutations in this gene cause non-type I cystinuria, a disease that leads to cystine stones in t he urinary system due to impaired transport of cystine and dibasic amino acids. Two transcript va riants, which encode the same protein, have been found for this gene. [provided by RefSeq
Other Designations	B(0,+)-type amino acid transporter 1|bo,+ amino acid transporter|glycoprotein-associated amino acid transporter b0,+AT1|solute carrier family 7, member 9

Disease

- Cystinuria
- Genetic Predisposition to Disease
- Hyperparathyroidism
- Kidney Failure