

Recombinant Full Length Human SLC7A9 Protein, GST-tagged

Cat. No. SLC7A9-6808HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC7A9 Full-Length ORF Protein (1-487 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
ProteinLength	487 amino acids
Description	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 neutral and dibasic amino acids, and appears to function in the reabsorption of cystine in the kidney tubule. Mutations in this gene cause non-type I cystinuria, a disease that leads to cystine stones in the urinary system due to impaired transport of cystine and dibasic amino acids. Two transcript variants, which encode the same protein, have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	79.9 kDa
AA Sequence	MGDTGLRKRREDEKSIQSQEPKTTSLQKELGLISGISIIVGTIIGSGIFVSPKSVLSNTE AVGPCLIIWAACGVLATLGALCFAELGTMITKSGGEYPYLMEAYGPIPAYLFSWASLI VIKPTSFALICLSFSEYVCAPFYVGCKPPQIVVKCLAAAAILFISTVNSLSVRLGSYVQNI

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FTAAKLIVAVIIISGLVLLAQGNTKNFDNSFEGAQLSVGAISLAFYNGLWAYDGWNQL
 NYITEELRNPYRNLPLAIIIGIPLVTACYILMNVSFYFTVMTATELLQSQAVAVTFGDRVL
 YPASWIVPLFVAFSTIGAANGTCFTAGRLIYVAGREGHMLKVLSYISVRRLTPAPAIIF
 YGIIATIIYIIPGDINSLVNYFSFAAWLFYGLTILGLIVMRFTRKELERPIKVPVVIPVLMTLI
 SVFLVLAPIISKPTWEYLYCVLFILSGLLFYFLFVHYKFGWAQKISKIPITMHLQMLMEV
 VPPEEDPE

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

SLC7A9 solute carrier family 7 member 9 [Homo sapiens (human)]

Official Symbol

SLC7A9

Synonyms

BAT1; CSNU3; FLJ94301;

Gene ID

11136

mRNA Refseq

NM_014270

Protein Refseq

NP_055085

MIM

604144

UniProt ID

P82251

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