

# Recombinant Full Length Human SLC7A9 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	487 amino acids
<b>Description</b>	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.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	79.9 kDa
<b>AA Sequence</b>	MGDTGLRKRREDEKSIQSQEPKTTSLQKELGLISGISIIVGTIIGSGIFVSPKSVLSNTE AVGPCLIIWAACGVLATLALGALCFELGTMITKSGGEYPYLMEAYGPIPAYLFSWASLI VIKPTSAIICLSFSEYVCAFPYVGCKPPQIVVKCLAAAAILFISTVNSLSVRLGYSYVQNI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



FTAAKLVIVAIISGLVLLAQGNTKNFDNSFEGAQLSVGAISLAFYNGLWAYDGWNQL  
 NYITEELRNPYRNLPLAIIIGIPLVTACYILMNVSYFTVMTATELLQSQAVAVTFGDRVL  
 YPASWIVPLFVAFSTIGAANGTCFTAGRLIYVAGREGHMLKVLSYISVRRLTPAPAIIF  
 YGIIATIIYIIPGDINSLVNYFSFAAWLFYGLTILGLIVMRFRTRKELERPIKVPVVIPVLMTLI  
 SVFLVLAPIISKPTWEYLYCVLFILSGLLFYFLFVHYKFGWAQKISKPITMHLQMLMEV  
 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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