

Recombinant Mouse Slc7a11 Protein, His-tagged

Cat. No. Slc7a11-2080M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Slc7a11 Protein (Ala287-Pro365) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala287-Pro365
Description	Predicted to enable L-amino acid transmembrane transporter activity. Acts upstream of or within several processes, including animal organ development; oligopeptide transmembrane transport; and regulation of cellular amino acid metabolic process. Located in apical part of cell; astrocyte projection; and brush border membrane. Is expressed in brain; meninges; and sensory organ. Used to study Hermansky-Pudlak syndrome and platelet storage pool deficiency. Orthologous to human SLC7A11 (solute carrier family 7 member 11).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 12.3 kDa Accurate Molecular Mass: 14 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Slc7a11 solute carrier family 7 (cationic amino acid transporter, y+ system), member 11 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Slc7a11
Synonyms	SLC7A11; solute carrier family 7 (cationic amino acid transporter, y+ system), member 11; cystine/glutamate transporter; cysteine/glutamate transporter; amino acid transport system xc-; solute carrier family 7 member 11; sodium independent anionic amino acid transport system; sut; xCT; AI451155; 9930009M05Rik;
Gene ID	26570
mRNA Refseq	NM_011990
Protein Refseq	NP_036120

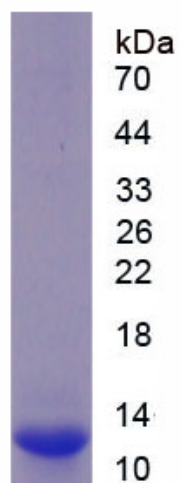
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UniProt ID

Q9WTR6



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