

Recombinant Mouse Slc7a2 Protein, MYC/DDK-tagged

Cat. No. Slc7a2-680M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse solute carrier family 7 (cationic amino acid transporter, y ⁺ system), member 2 (Slc7a2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Isoform 1 functions as low-affinity, high capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine). Isoform 2 also functions as permease that mediates the transport of the cationic amino acids (arginine, lysine and ornithine), but it has much higher affinity for arginine than isoform 1. May play a role in classical or alternative activation of macrophages via its role in arginine transport.
Molecular Mass	72.3 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Slc7a2 solute carrier family 7 (cationic amino acid transporter, y+ system), member 2
[Mus musculus (house mouse)]

Official Symbol [Slc7a2](#)

Synonyms Slc7a2; solute carrier family 7 (cationic amino acid transporter, y+ system), member 2; Tea; 20.5; Cat2; Atrc2; CAT-2; AI158848; cationic amino acid transporter 2; T-cell early activation protein; amino acid transporter, cationic 2 (low affinity); cationic amino acid transporter 2A; cationic amino acid transporter 2B; low affinity cationic amino acid transporter 2; solute carrier family 7 member 2

Gene ID [11988](#)

mRNA Refseq [NM_007514](#)

Protein Refseq [NP_031540](#)

UniProt ID [P18581](#)

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