Recombinant Human SLC7A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC7A1-2191H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SLC7A1 MS Standard C13 and N15-labeled recombinant protein (NP_003036) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	High-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues.
Molecular Mass	67.6 kDa
AA Sequence	MGCKVLLNIGQQMLRRKVVDCSREETRLSRCLNTFDLVALGVGSTLGAGVYVLAGA VARENAGPAIVISFLIAALASVLAGLCYGEFGARVPKTGSAYLYSYVTVGELWAFITG WNLILSYIIGTSSVARAWSATFDELIGRPIGEFSRTHMTLNAPGVLAENPDIFAVIIILILT GLLTLGVKESAMVNKIFTCINVLVLGFIMVSGFVKGSVKNWQLTEEDFGNTSGRLCL NNDTKEGKPGVGGFMPFGFSGVLSGAATCFYAFVGFDCIATTGEEVKNPQKAIPVGI VASLLICFIAYFGVSAALTLMMPYFCLDNNSPLPDAFKHVGWEGAKYAVAVGSLCAL SASLLGSMFPMPRVIYAMAEDGLLFKFLANVNDRTKTPIIATLASGAVAAVMAFLFDL KDLVDLMSIGTLLAYSLVAACVLVLRYQPEQPNLVYQMASTSDELDPADQNELASTN DSQLGFLPEAEMFSLKTILSPKNMEPSKISGLIVNISTSLIAVLIITFCIVTVLGREALTKG ALWAVFLLAGSALLCAVVTGVIWRQPESKTKLSFKVPFLPVLPILSIFVNVYLMMQLD QGTWVRFAVWMLIGFIIYFGYGLWHSEEASLDADQARTPDGNLDQCKTRTRPLEQK

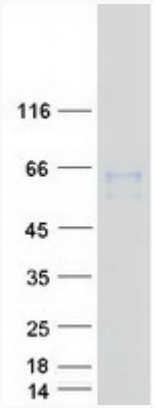
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	LISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SLC7A1 solute carrier family 7 member 1 [Homo sapiens (human)]
Official Symbol	SLC7A1
Synonyms	SLC7A1; solute carrier family 7 (cationic amino acid transporter, y+ system), member 1; ATRC1, ERR; high affinity cationic amino acid transporter 1; amino acid transporter; cationic 1; CAT 1; ecotropic retroviral receptor; HCAT1; REC1L; CAT1; solute carrier family 7 member 1; amino acid transporter, cationic 1; ecotropic retrovirus receptor homolog; system Y+ basic amino acid transporter; ecotropic retroviral leukemia receptor homolog; ERR; ATRC1; CAT-1;
Gene ID	6541
mRNA Refseq	NM_003045
Protein Refseq	NP_003036

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MIM	104615
UniProt ID	P30825
SDS-PAGE	

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