

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

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

## SPECIFICATION

<b>Product Overview</b>	SLC7A1 MS Standard C13 and N15-labeled recombinant protein (NP_003036) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	High-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues.
<b>Molecular Mass</b>	67.6 kDa
<b>AA Sequence</b>	<p>MGCKVLLNIGQQMLRRKVVDSCSREETRLSRCLNTFDLVALGVGSTLGAGVYVLAGA  VARENAGPAIVISFLIAALASVLAGLCYGEFGARVPKTGSAYLYSYVTVGELWAFITG  WNLILSYIIGTSSVARAWSATFDELIGRPIGEFSRTHMTLNAPGVLAENPDIFAVIIILILT  GLLTLGVKESAMVNKIFTCINVLVLGFIMVSGFVKGSVKNWQLTEEDFGNTSGRLCL  NNDTKEGKPGVGGFMPFGFSGVLGAATCFYAFVGFDCIATTGEEVKNPQKAIPVGI  VASLLICFIAFYGVSAALTLMMPYFCLDNNSPLPDAFKHVGWEGAKYAVAVGSLCAL  SASLLGSMFPMPRVIYAMAEDGLLFKFLANVNDRTKTPIIATLASGAVAAVMAFLFDL  KDLVDLMSIGTLLAYSLVAACVLLRYQPEQPNLVYQMASTSELDPADQNELASTN  DSQLGFLPEAEMFSLKTILSPKNMEPSKISGLIVNISTSLI AVLITFCIVTVL GREALTKG  ALWAVFLLAGSALLCAVVTGVIWRQPESKTKLSFKVPFLPVLPILSIFVNVYLMMLQLD  QGTWVRFVAVWMLIGFIIYFGYGLWHSEEASLDADQARTPDGNLDQCKTRTRPLEQK</p>

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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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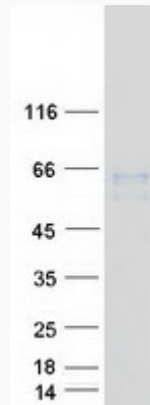
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**MIM** 104615

**UniProt ID** P30825

**SDS-PAGE**



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