

Recombinant Human SLC1A4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC1A4-5294H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SLC1A4 MS Standard C13 and N15-labeled recombinant protein (NP_003029) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a sodium-dependent neutral amino acid transporter for alanine, serine, cysteine, and threonine. Defects in this gene have been associated with developmental delay, microcephaly, and intellectual disability.
Molecular Mass	55.7 kDa
AA Sequence	MEKSNETNGYLDSAQAGPAAGPGAPGTAAGRARRCAGFLRRQALVLLTVSGVLAG AGLGAALRGLSLSRTQVTYLAFFGEMLLRMLRMILPLVVC SLVSGAASLDASCLGRL GGIAVAYFGLTTLSASALAVALAFIIPGSGAQLQSSDLGLEDSGPPVPKETVDSF LDLARNLFPSNLVVAAFRTYATDYKVVTQNSSSGNVTHEKIPIGTEIEGMNIGLVLFA LVLGVALKKLGSEGEDLIRFFNSLNEATMVLVSWIMWYVPVGIMFLVGSKIVEMKDIIV LVTSLGKYIFASILGHVIHGGIVLPLIYFVFTRKNPFRLLGLLAPFATAFATCSSSATLP SMMKCIEENNGVDKRISRFILPIGATVNMDGAAIFQCVAAVFIAQLNNVELNAGQIFTI LVTATASSVGAAGVPAGGVLTIAIILEAIGLP THDLPLILAVDWIVDRTTTVVNVEGDAL GAGILHHLNQKATKKGEQELAEVKVEAIPNCKSEEETSP LVTHQNPAGPVASAPELE SKESVLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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.

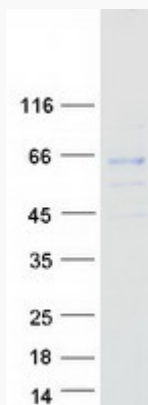
GENE INFORMATION

Gene Name	SLC1A4 solute carrier family 1 member 4 [Homo sapiens (human)]
Official Symbol	SLC1A4
Synonyms	SLC1A4; solute carrier family 1 (glutamate/neutral amino acid transporter), member 4; neutral amino acid transporter A; alanine/serine/cysteine/threonine transporter; ASCT1; SATT; ASCT-1; solute carrier family 1 member 4; glutamate/neutral amino acid transporter; alanine/serine/cysteine/threonine transporter 1;
Gene ID	6509
mRNA Refseq	NM_003038
Protein Refseq	NP_003029
MIM	600229
UniProt ID	P43007

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SDS-PAGE

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