

Recombinant Full Length Human SLC1A4 Protein, C-Flag-tagged

Cat. No. SLC1A4-1704HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SLC1A4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	55.5 kDa
AA Sequence	MEKSNETNGYLDQAQAGPAAGPGAPGTAAGRARRCAGFLRRQALVLLTVSGVLAG AGLGAALRGLSLRT QVTYLAFPGEMLLRMLRMILPLVVC SLVSGAASLDASCLGR LGGIAVAYFGLTTLSASALAVALAFIIPGSGAQLQSSDLGLEDSGPPPVPKETVDS FLDLARNLFPSNLVVAAFRTYATDYKVVTQNSSSGNVTHE KIPIGTEIEGMNIGLVL FALVLGVALKKLGSEGEDLIRFFNSLNEATMVLVSWIMWYVPVGIMFLVGSK IVEMK DIIVLVTS LGKYIFASILGHVIHGGIVLPLIYFVFTRKNPFRLLGLLAPFATAFATCSSSA TLP SMMKCIEENNGVDKRISRFILPIGATVNMDGAAIFQCVAAVFIAQLNNVELNAGQ IFTILVTATASSVGA AGVPAGGVLTIAIILEAIGLPTHDLPLILAVDWIVDRTTTVVNVEG DALGAGILHHLNQKATKKGEQELA

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	EVKVEAIPNCKSEEETSPLVTHQNPAGPVASAPELESKESVLTRTRPLEQKLISEEDL AANDILDYKDDDDKV
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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	SLC1A4 solute carrier family 1 member 4 [Homo sapiens (human)]
Official Symbol	SLC1A4
Synonyms	SATT; ASCT1; SPATCCM
Gene ID	6509
mRNA Refseq	NM_003038.5

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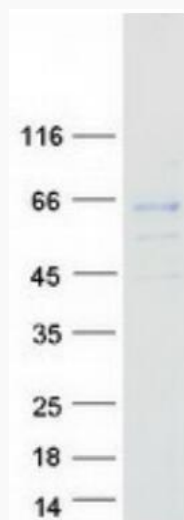
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Protein Refseq NP_003029.2

MIM 600229

UniProt ID P43007



Coomassie blue staining of purified SLC1A4 protein.

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