

Recombinant Human SLC1A5 protein, His & GST-tagged

Cat. No. SLC1A5-1195H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC1A5 aa. (Leu327~Met541 (Accession # Q15758) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu327~Met541
Description	The SLC1A5 gene encodes a sodium-dependent neutral amino acid transporter that can act as a receptor for RD114/type D retrovirus (Larriba et al., 2001 [PubMed 11781704]).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 52.8kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.9.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage buffer Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

Reconstitution Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name [SLC1A5 solute carrier family 1 member 5 \[Homo sapiens \(human\) \]](#)

Official Symbol [SLC1A5](#)

Synonyms SLC1A5; solute carrier family 1 member 5; R16; AAAT; ATBO; M7V1; RDRG; ASCT2; M7VS1; neutral amino acid transporter B(0); ATB(0); RD114 virus receptor; RD114/simian type D retrovirus receptor; baboon M7 virus receptor; neutral amino acid transporter B; sodium-dependent neutral amino acid transporter type 2; solute carrier family 1 (neutral amino acid transporter), member 5

Gene ID [6510](#)

mRNA Refseq [NM_001145144.1](#)

Protein Refseq [NP_001138616.1](#)

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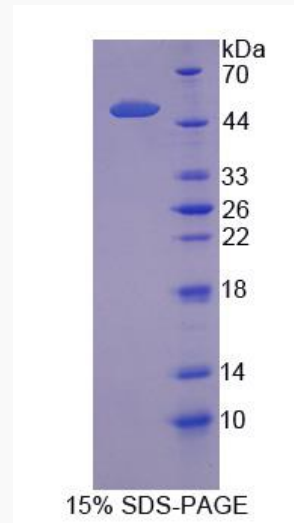
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UniProt ID

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SDS-PAGE



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