

Recombinant Human SLC17A5 protein, His & T7-tagged

Cat. No. SLC17A5-1206H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC17A5 aa. (Thr146~Phe405 (Accession # Q9NRA2) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr146~Phe405
Description	This gene encodes a membrane transporter that exports free sialic acids that have been cleaved off of cell surface lipids and proteins from lysosomes. Mutations in this gene cause sialic acid storage diseases, including infantile sialic acid storage disorder and and Salla disease, an adult form.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.0kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.2.
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% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
GENE INFORMATION	
Gene Name	SLC17A5 solute carrier family 17 member 5 [Homo sapiens (human)]
Official Symbol	SLC17A5
Synonyms	SLC17A5; solute carrier family 17 member 5; SD; AST; NSD; SLD; ISSD; SIASD; SIALIN; sialin; H(+)/nitrate cotransporter; H(+)/sialic acid cotransporter; membrane glycoprotein HP59; sialic acid storage disease; sodium/sialic acid cotransporter; solute carrier family 17 (acidic sugar transporter), member 5; solute carrier family 17 (anion/sugar transporter), member 5; vesicular H(+)/Aspartate-glutamate cotransporter
Gene ID	26503
mRNA Refseq	NM_012434.4

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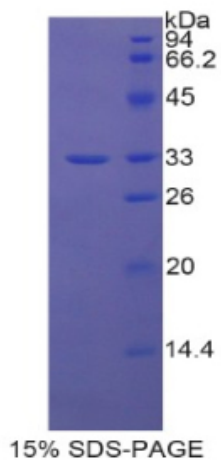
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Protein Refseq NP_036566.1

UniProt ID Q9NRA2

SDS-PAGE



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