Recombinant Human SLC20A1 protein, His & T7-tagged

Cat. No. SLC20A1-1210H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC20A1 aa. (Cys251~Glu510 (Accession # Q8WUM9) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Cys251~Glu510
Description	The protein encoded by this gene is a sodium-phosphate symporter that absorbs phosphate from interstitial fluid for use in cellular functions such as metabolism, signal transduction, and nucleic acid and lipid synthesis. The encoded protein is also a retroviral receptor, causing human cells to be susceptible to infection by gibbon ape leukemia virus, simian sarcoma-associated virus, feline leukemia virus subgroup B, and 10A1 murine leukemia virus.
Form	Freeze-dried powder
Molecular Mass	37kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 5.4.

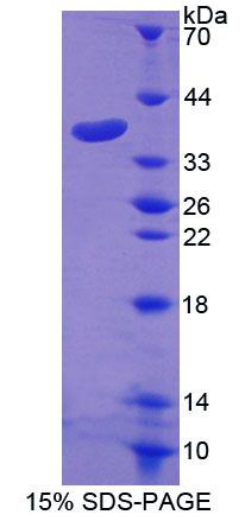
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious 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 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	SLC20A1 solute carrier family 20 member 1 [Homo sapiens (human)]
Official Symbol	SLC20A1
Synonyms	SLC20A1; solute carrier family 20 member 1; PIT1; GLVR1; PiT-1; Glvr-1; sodium-dependent phosphate transporter 1; gibbon ape leukemia virus receptor 1; leukemia virus receptor 1 homolog; solute carrier family 20 (phosphate transporter), member 1
Gene ID	6574
mRNA Refseq	NM_005415.4

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Protein Refseq	NP_005406.3
UniProt ID	Q8WUM9
SDS-PAGE	

15% SDS-PAGE

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