

Recombinant Human SLC22A12 Protein, His-tagged

Cat. No. SLC22A12-399H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC22A12 Protein (Glu281-Thr350) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu281-Thr350
Description	The protein encoded by this gene is a member of the organic anion transporter (OAT) family, and it acts as a urate transporter to regulate urate levels in blood. This protein is an integral membrane protein primarily found in epithelial cells of the proximal tubule of the kidney. An elevated level of serum urate, hyperuricemia, is associated with increased incidences of gout, and mutations in this gene cause renal hypouricemia type 1. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 11.5 kDa Accurate Molecular Mass: 12 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	SLC22A12 solute carrier family 22 member 12 [Homo sapiens (human)]
Official Symbol	SLC22A12
Synonyms	SLC22A12; solute carrier family 22 member 12; RST; OAT4L; URAT1; solute carrier family 22 member 12; organic anion transporter 4-like protein; renal-specific transporter; solute carrier family 22 (organic anion/cation transporter), member 12; solute carrier family 22 (organic anion/urate transporter), member 12; urate anion exchanger 1; urate transporter 1
Gene ID	116085
mRNA Refseq	NM_144585
Protein Refseq	NP_653186

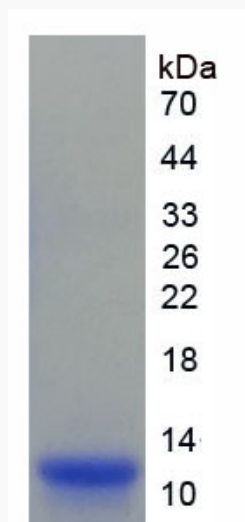
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