Recombinant Human SLC22A4 protein, His & T7-tagged

Cat. No. SLC22A4-1212H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC22A4 aa. (Leu42~Lys141 (Accession # Q9H015) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu42~Lys141
Description	Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. The encoded protein is an organic cation transporter and plasma integral membrane protein containing eleven putative transmembrane domains as well as a nucleotide-binding site motif. Transport by this protein is at least partially ATP-dependent.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 15.0kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.9.

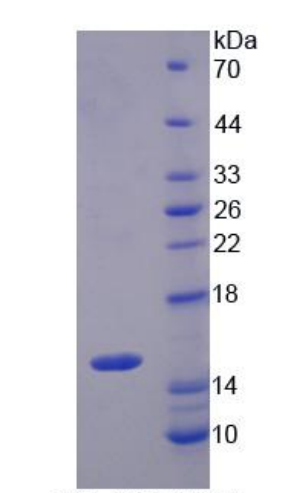
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious 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 PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	SLC22A4 solute carrier family 22 member 4 [Homo sapiens (human)]
Official Symbol	SLC22A4
Synonyms	SLC22A4; solute carrier family 22 member 4; OCTN1; DFNB60; solute carrier family 22 member 4; ET transporter; deafness, autosomal recessive 60; ergothioneine transporter; integral membrane transport protein; organic cation/carnitine transporter 1; solute carrier family 22 (organic cation/ergothioneine transporter), member 4; solute carrier family 22 (organic cation/zwitterion transporter), member 4
Gene ID	6583
mRNA Refseq	NM_003059.2

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Protein Refseq	NP_003050.2
UniProt ID	Q9H015
SDS-PAGE	 15% SDS-PAGE

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