Recombinant Human CTNS Protein, His-tagged

Cat. No. CTNS-1290H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTNS Protein (Pro30-Phe170) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro30-Phe170
Description	This gene encodes a seven-transmembrane domain protein that functions to transport cystine out of lysosomes. Its activity is driven by the H+ electrochemical gradient of the lysosomal membrane. Mutations in this gene cause cystinosis, a lysosomal storage disorder. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.2 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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

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	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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CTNS cystinosin, lysosomal cystine transporter [Homo sapiens (human)]
Official Symbol	CTNS
Synonyms	CTNS; cystinosin, lysosomal cystine transporter; cystinosis, nephropathic; cystinosin; CTNS LSB; PQLC4; CTNS-LSB;
Gene ID	1497
mRNA Refseq	NM_001031681
Protein Refseq	NP_001026851
MIM	606272
UniProt ID	O60931

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