

Recombinant Human SLC25A15 Protein, His-tagged

Cat. No. SLC25A15-2694H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC25A15 Protein (Met1-Tyr301) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Tyr301
Description	This gene is a member of the mitochondrial carrier family. The encoded protein transports ornithine across the inner mitochondrial membrane from the cytosol to the mitochondrial matrix. The protein is an essential component of the urea cycle, and functions in ammonium detoxification and biosynthesis of the amino acid arginine. Mutations in this gene result in hyperornithinemia-hyperammonemia-homocitrullinuria (HHH) syndrome. There is a pseudogene of this locus on the Y chromosome.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.4 kDa Accurate Molecular Mass: 33 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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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 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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	SLC25A15 solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15 [Homo sapiens (human)]
Official Symbol	SLC25A15
Synonyms	SLC25A15; solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15; HHH, ORNT1; mitochondrial ornithine transporter 1; D13S327; ORC1; ornithine transporter 1; solute carrier family 25 member 15; HHH; ORNT1;
Gene ID	10166
mRNA Refseq	NM_014252
Protein Refseq	NP_055067

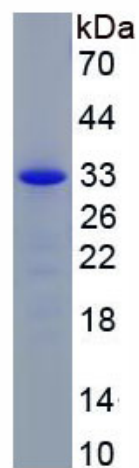
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MIM	603861
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UniProt ID	Q9Y619
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