

Recombinant Human SLC25A37 protein, His & T7-tagged

Cat. No. SLC25A37-1213H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC25A37 aa. (Pro65~Tyr338 (Accession # Q9NYZ2) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro65~Tyr338
Description	SLC25A37 is a solute carrier localized in the mitochondrial inner membrane. It functions as an essential iron importer for the synthesis of mitochondrial heme and iron-sulfur clusters (summary by Chen et al., 2009 [PubMed 19805291]).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.5kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.7.
Applications	SDS-PAGE; WB; ELISA; IP.

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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	SLC25A37 solute carrier family 25 member 37 [Homo sapiens (human)]
Official Symbol	SLC25A37
Synonyms	SLC25A37; solute carrier family 25 member 37; MSC; MFRN; MSCP; HT015; MFRN1; PRO1278; PRO1584; PRO2217; mitoferrin-1; mitochondrial iron transporter 1; mitochondrial solute carrier protein; mitoferrin; predicted protein of HQ2217; solute carrier family 25 (mitochondrial iron transporter), member 37
Gene ID	51312
mRNA Refseq	NM_001317812.1
Protein Refseq	NP_001304741.1

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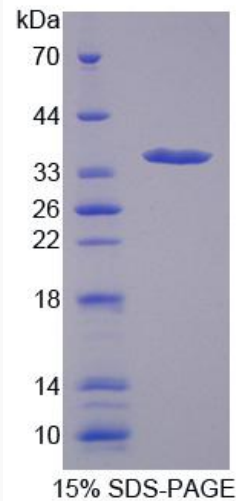
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UniProt ID

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SDS-PAGE

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