

Recombinant Human FTMT Protein, His-tagged

Cat. No. FTMT-1528H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FTMT Protein (Leu49-Asn242) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu49-Asn242
Description	Predicted to enable ferric iron binding activity and ferrous iron binding activity. Involved in several processes, including cellular iron ion homeostasis; positive regulation of aconitate hydratase activity; and positive regulation of succinate dehydrogenase activity. Located in nucleus.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.7 kDa Accurate Molecular Mass: 26 kDa
Purity	> 97%
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

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

GENE INFORMATION

Gene Name

FTMT ferritin mitochondrial [Homo sapiens (human)]

Official Symbol

FTMT

Synonyms

FTMT; ferritin mitochondrial; MTF; ferritin, mitochondrial; ferritin H subunit; mitochondrial ferritin; EC 1.16.3.1

Gene ID

94033

mRNA Refseq

NM_177478

Protein Refseq

NP_803431

MIM

608847

UniProt ID

Q8N4E7

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