

Recombinant Human MTERF1 protein, His & T7-tagged

Cat. No. MTERF1-7961H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MTERF1 aa. (Met1~Lys191 (Accession # Q99551)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Lys191
Description	This gene encodes a mitochondrial transcription termination factor. This protein participates in attenuating transcription from the mitochondrial genome; this attenuation allows higher levels of expression of 16S ribosomal RNA relative to the tRNA gene downstream. The product of this gene has three leucine zipper motifs bracketed by two basic domains that are all required for DNA binding. There is evidence that, for this protein, the zippers participate in intramolecular interactions that establish the three-dimensional structure required for DNA binding.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.9kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 10.
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 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	MTERF1 mitochondrial transcription termination factor 1 [Homo sapiens (human)]
Official Symbol	MTERF1
Synonyms	MTERF1; mitochondrial transcription termination factor 1; MTERF; transcription termination factor 1, mitochondrial; transcription termination factor, mitochondrial
Gene ID	7978
mRNA Refseq	NM_001301134.1

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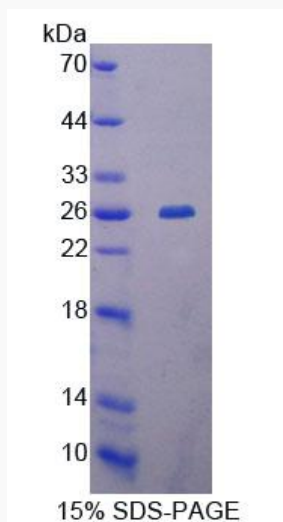
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Protein Refseq NP_001288063.1

UniProt ID Q99551

SDS-PAGE



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