



Recombinant Human Transcription termination factor, mitochondrial (MTERF)

Product Code	CSB-EP857864HU-B
Abbreviation	MTERF
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q99551
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	FGV KCHNTDSEPL KNEDLLKNLL TMGVDIDMAR KRQPGVFHRM ITNEQDLKMF LLSKGASKEV IASIISRYPR AITRTPENLS KRWDLWRKIV TSDLEIVNIL ERSPEFFRS NNNLNLENNI KFLYSVGLTR KCLCRLLTNA PRTFSNSLDL NKQMVFLQA AGLSLGHNDP ADFVRKIIFK NPFILIQSTK RVKANIEFLR STFNLNSEEL LVLCGPGAE ILDSLNDYAR RSYANIKEKL FSLGCTEEEV QKFVLSYPDV IFLAEKKFND KIDCLMEENI SISQIENPR VLDSSISTLK SRIKELVNAG CNLSTLNITL LSWSKKRYEA KLKKLSRFA
Source	E.coli
Target Names	MTERF1
Protein Names	Recommended name: Transcription termination factor, mitochondrial Alternative name(s): Mitochondrial transcription termination factor 1 Short name= mTERF
Expression Region	58-399
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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