

Recombinant Human MTF1 protein, His & T7-tagged

Cat. No. MTF1-7962H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MTF1 aa. (Gly2~His164 (Accession # Q14872)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly2~His164
Description	This gene encodes a transcription factor that induces expression of metallothioneins and other genes involved in metal homeostasis in response to heavy metals such as cadmium, zinc, copper, and silver. The protein is a nucleocytoplasmic shuttling protein that accumulates in the nucleus upon heavy metal exposure and binds to promoters containing a metal-responsive element (MRE).
Form	Freeze-dried powder
Molecular Mass	28kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.6.

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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	MTF1 metal regulatory transcription factor 1 [Homo sapiens (human)]
Official Symbol	MTF1
Synonyms	MTF1; metal regulatory transcription factor 1; ZRF; MTF-1; MRE-binding transcription factor; MRE-binding transcription factor-1; metal-responsive transcription factor 1; transcription factor MTF-1; zinc regulatory factor
Gene ID	4520
mRNA Refseq	NM_005955.2

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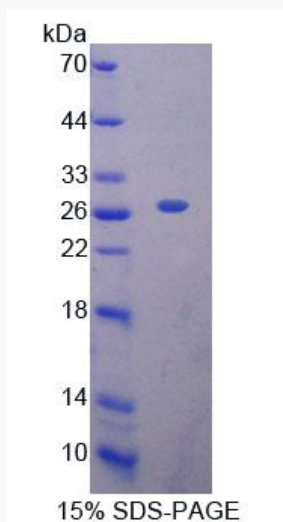
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Protein Refseq NP_005946.2

UniProt ID Q14872

SDS-PAGE



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