Metal Regulatory Transcription Factor 1 Recombinant Protein | MTF1 recombinant protein

Recombinant Metal Regulatory Transcription Factor 1 (MTF1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA145429	**E.coli**	**Homo sapiens (Human)**	**Western Blot, SDS-Page**

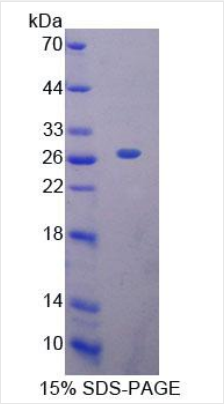
PRODUCT SYNONYMS

Metal Regulatory Transcription Factor 1; Recombinant Metal Regulatory Transcription Factor 1 (MTF1); ZRF; MRE-binding transcription factor; MTF1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	100mM NaHCO3, 500mMNaCl, pH8.3, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 500ug/mL (varies by lot)
Sequence	GEHSPDNNII YFEAEEDELT PDDKMLRFVD KNGLVPSSSG TVYDRTTVLI EQDPGTLEDE DDDGQCGEHL PFLVGGEEGF HLIDHEAMSQ GYVQHIISPD QIHLTINPGS TPMPRNIEGA TLTLQSECPE TKRKEVKRYQ CTFEGCPRTY STAGNLRTHQ KTH
Applicable Applications for MTF1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Gly2~His164
Tags	N-terminal His Tag
Subcellular Location	Nucleus
Traits	Freeze-dried powder
Predicted isoelectric point	4.6
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** 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 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	112790163
NCBI GeneID	4520
NCBI Accession #	NP_005946.2
NCBI GenBank Nucleotide #	NM_005955.2
Molecular Weight	Predicted Molecular Mass: 22.0kDa Accurate Molecular Mass: 28kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	metal regulatory transcription factor 1
NCBI Official Synonym Full Names	metal-regulatory transcription factor 1
NCBI Official Symbol	MTF1
NCBI Official Synonym Symbols	ZRF; MTF-1
NCBI Protein Information	metal regulatory transcription factor 1
UniProt Protein Name	Metal regulatory transcription factor 1
UniProt Gene Name	**MTF1**
UniProt Entry Name	MTF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/mtf1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/145429