Recombinant Full Length Human MTF1 Protein, Flag-tagged

Cat. No. MTF1-12HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MTF1 Protein, fused to Flag-tag was expressed in HEK293T.
Species	Human
Source	HEK293
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	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol.
Molecular Mass	80.8 kDa
AA Sequence	MGEHSPDNNIIYFEAEEDELTPDDKMLRFVDKNGLVPSSSGTVYDRTTVLIEQDPGT LEDEDDDGQCGEH LPFLVGGEEGFHLIDHEAMSQGYVQHIISPDQIHLTINPGSTPM PRNIEGATLTLQSECPETKRKEVKRY QCTFEGCPRTYSTAGNLRTHQKTHRGEYTF VCNQEGCGKAFLTSYSLRIHVRVHTKEKPFECDVQGCEKA FNTLYRLKAHQRLHTG KTFNCESEGCSKYFTTLSDLRKHIRTHTGEKPFRCDHDGCGKAFAASHHLKTHV RT HTGERPFFCPSNGCEKTFSTQYSLKSHMKGHDNKGHSYNALPQHNGSEDTNHSLC LSDLSLLSTDSEL RENSSTTQGQDLSTISPAIIFESMFQNSDDTAIQEDPQQTASLTE SFNGDAESVSDVPPSTGNSASLSLP LVLQPGLSEPPQPLLPASAPSAPPPAPSLGP

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	GSQQAAFGNPPALLQPPEVPVPHSTQFAANHQEFLPHPQ APQPIVPGLSVVAGAS ASAAAVASAVAAPAPPQSTTEPLPAMVQTLPLGANSVLTNNPTITITPTPNTAI LQSS LVMGEQNLQWILNGATSSPQNQEQIQQASKVEKVFFTTAVPVASSPGSSVQQIGLS VPVIIIKQEE ACQCQCACRDSAKERASSRRKGCSSPPPPEPSPQAPDGPSLQLPAQ TFSSAPVPGSSSSTLPSSCEQSRQ AETPSDPQTETLSAMDVSEFLSLQSLDTPSNLI PIEALLQGEEEMGLTSSFSK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>0.05 g/μ as determined by microplate Bradford method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name	MTF1 metal regulatory transcription factor 1 [Homo sapiens (human)]
Official Symbol	MTF1

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Synonyms	ZRF; MTF-1
Gene ID	4520
mRNA Refseq	NM_005955.3
Protein Refseq	NP_005946.2
MIM	600172
UniProt ID	Q14872
SDS-PAGE	Coomassie blue staining of purified MTF1 protein.

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