

Recombinant Full Length Human MTF1 Protein, C-Flag-tagged

Cat. No. MTF1-777HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MTF1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	80.8 kDa
AA Sequence	MGEHSPDNNIIYFEAEDELTPDDKMLRFVDKNGLPSSSGTVYDRRTTVLIEQDPGT LEDEDDDGQCGEH LPFLVGGEEGFHLIDHEAMSQGYVQHIIISPDQIHILTINPGSTPM PRNIEGATLTLQSECPETKRKEVKRY QCTFEGCPRTYSTAGNLRTHQKTHRGEYTF VCNQEGCGKAFLTSYSLRIHVRVHTKEKPFECVDVQGCEKA FNTLYRLKAHQRLHTG KTFNCESEGCSKYFTTSLDLRKHIRHTHTGEKPFRCDDHDCGKAFAASHHLKTHV RT HTGERPFFCPSNGCEKTFSTQYSLKSHMKGHDNKGHSYNALPQHNGSEDTNHSLC LSDLSELLSTDSEL RENSSTTQGQDLSTISPAIFESMFQNSDDTAIQEDPQQTASLTE SFNGDAESVSDVPPSTGNSASLSLP LVLQPGLSEPPQPLLPASAPSAPPPAPSLGP

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GSQQAAGNPPALLQPPEVPVPHSTQFAANHQEFLPHPQ APQPIVPGLSVVAGAS
 ASAAAVASAVAAPAPPQSTTEPLPAMVQTLPLGANSVLNNPTITITPTNTAI LQSS
 LVMGEQNLQWILNGATSSPQNQEIQQASKVEKVFFTTAVPVASSPGSSVQQIGLS
 VPVIIKQEE ACQCQCACRDSAKERASSRRKGCSSPPPPPEPSPQAPDGPSLQLPAQ
 TFSSAPVPGSSSSTLPSSCEQSRQ
 AETPSDPQTETLSAMDVSEFLSLQSLDTPSNLIPIEALLQGEEEMGLTSSFSKTRTRP
 LEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
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	>50 ug/mL as determined by microplate BCA 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
Synonyms	ZRF; MTF-1

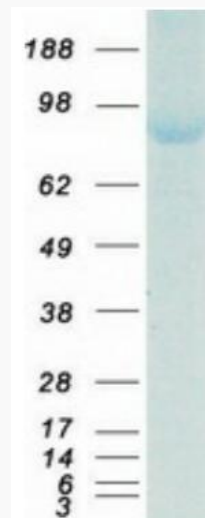
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Gene ID	4520
mRNA Refseq	NM_005955.3
Protein Refseq	NP_005946.2
MIM	600172
UniProt ID	Q14872



Coomassie blue staining of purified MTF1 protein.