

## Product datasheet for **TP304861L**

### MTF1 (NM\_005955) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human metal-regulatory transcription factor 1 (MTF1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204861 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGEHSPDNNIIYFEAEDELTDPDDKMLRFVDKNGLVPSSTGTVYDRTTVLIEQDPGTLEDEDDDGQCGEH  
LPFLVGGEEGFHLIDHEAMSQGYVQHIISPDQIHLTINPGSTPMPRNIEGATLTLQSECPETKRKEVKRY  
QCTFEGCPRTYSTAGNLRTHQKTHRGEYTFVCNQEGCGKAFLTSYSLRIHVRVHTKEKPFECDVQGC  
FNTLYRLKAHQRLHTGKTFNCESEGCSKYFTTSLDLRKHIRTHTGEKPFRCDDHDGCGKAFAASHHLKTHV  
RHTHTGERPFFCPSNGCEKTFSTQYSLKSHMKGHDNKGHSYNALPQHNGSEDTNHSCLSDLSLLSTDS  
RENSSTTQGGDLSTISPAIIFESMFQNSDDTAIQEDPQQTASLTESFNGDAESVSDVPPSTGNSASLSLP  
LVLQPLGLSEPPQPLLPAAPSAPPAPSLGPGSQAAFGNPPALLQPPEVPVPHSTQFAANHQEFLPH  
APQPIVPGLSVAGASASAAVASAVAAPAPPQSTTEPLPAMVQTLPLGANSVLTNNPTITITPTNTAI  
LQSSLVMGEQNLQWILNGATSSPQNQEIQQASKVEKVFVFTTAVPVASSPGSSVQVQIGLSVPV  
ACQCQCACRDSAKERASSRRKGCSSPPPPPEPSPQAPDGPSLQLPAQTFSSAPVPGSSSSTLPS  
AETPSDPQTETLSAMDVSEFLSLQSLDTPSNLIPIEALLQGEEMGLTSSFSK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	80.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



[View online »](#)

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_005946](#)

**Locus ID:** 4520

**UniProt ID:** [Q14872](#)

**RefSeq Size:** 7986

**Cytogenetics:** 1p34.3

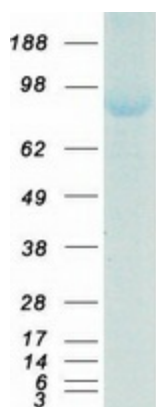
**RefSeq ORF:** 2259

**Synonyms:** MTF-1; ZRF

**Summary:** 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). [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified MTF1 protein (Cat# [TP304861]). The protein was produced from HEK293T cells transfected with MTF1 cDNA clone (Cat# [RC204861]) using MegaTran 2.0 (Cat# [TT210002]).