

Recombinant Human MTF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MTF1-3104H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MTF1 MS Standard C13 and N15-labeled recombinant protein (NP_005946) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
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).
Molecular Mass	81 kDa
AA Sequence	MGEHSPDNNIIYFEAEDELTPDDKMLRFVDKNGLPSSSGTVYDRTTVLIEQDPGT LEDEDDDGQCGEHLPFLVGGEEGFHLIDHEAMSQGYVQHIISPDQIHLTINPGSTPM PRNIEGATLTLQSECPETKRKEVKRYQCTFEGCPRTYSTAGNLRTHQKTHRGEYTF VCNQEGCGKAFLTSYSLRIHVRVHTKEKPFECDVQGCEKAFNTLYRLKAHQRLHTG KTFNCESEGCSKYFTTSLDLRKHIRHTHTGEKPFRCDDHDGCGKAFAASHHLKTHVRT HTGERPFFCPSNGCEKTFSTQYSLKSHMKGHDNKGHSYNALPQHNGSED TNHSLC LSDL SLLSTDSELRENSSTTQGQDLSTISPAIFESMFQNSDDTAIQEDPQQTASLTES FNGDAESVSDVPPSTGNSASLSLPLVLQPGLSEPPQPLL PASAPSAPPPAPSLGPG

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SQQAAGNPPALLQPPEVPVPHSTQFAANHQEFLPHPQAPQPPIVPGLSVVAGASAS
AAAVASAVAAPAPPQSTTEPLPAMVQTLPLGANSVLTTNNPTITITPTNTAILQSSSLVM
GEQNLQWILNGATSSPQNQEIQQASKVEKVFFTTAVPVASSPGSSVQQIGLSVPVII
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APVPGSSSSTLPSSCEQSRQAETPSDPQTETLSAMDVSEFLSLQSLDTPSNLIPIEAL
LQGEEMGLTSSFSKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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

Official Symbol MTF1

Synonyms MTF1; metal-regulatory transcription factor 1; metal regulatory transcription factor 1; zinc regulatory factor; transcription factor MTF-1; MRE-binding transcription factor; MRE-binding transcription factor-1; metal-responsive transcription factor 1; ZRF; MTF-1; MGC23036;

Gene ID 4520

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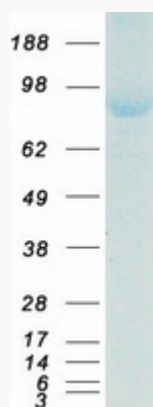
mRNA Refseq [NM_005955](#)

Protein Refseq [NP_005946](#)

MIM [600172](#)

UniProt ID [Q14872](#)

SDS-PAGE



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