

Recombinant Human MTF1 Protein, GST-tagged

Cat. No. MTF1-5696H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MTF1 full-length ORF (BAG36903.1, 1 a.a. - 753 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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). [provided by RefSeq]
Molecular Mass	109.23 kDa
AA Sequence	MGEHSPDNNIIYFEAEDELTPDDKMLRFVDKNGLVPSSSGTVYDRTTVLIEQDPGT LEDEDDDGQCGEHLPLVGGEEGFHLIDHEAMSQGYVQHIISPDQIHLTINPGSTPM PRNIEGATLTLQSECPETKRKEVKRYQCTFEGCPRTYSTAGNLRTHQKTHRGEYTF VCNQEGCGKAFLTSYSLRIHVRVHTKEKPFECDVQGCEKAFNTLYRLKAHQRLHTG KTFNCESEGCSKYFTTSLDLRKHIRHTHTGEKPFRCDDHDCGKAFAASHHLKTHVRT HTGERPFFCPSNGCEKTFSTQYSLKSHMKGHDNKGHSYNALPQHNGSEDTNHSLC LSDLSLLSTDSELRENSSTTQGQDLSTISPAIFESMFQNSDDTAIQEDPQQTASLTES FNGDAESVSDVPPSTGNSASLSLPLVLQPLSEPPQPLLPASAPSAPPPAPSLGPG SQQAAFGNPPALLQPPEVPVPHSTQFAANHQEFLPHPQAPQPIVPGLSVVAGASAS

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AAAVASAVAAPAPPQSTTEPLPAMVQTLPLGANSVLTTNNPTITITPTPNTAILQSSLVM
 GEQNLQWILNGATSSPQNQEIQQASKVEKVFFTTAVPVASSPGSSVQQIGLSVPVII
 IKQEEACQCQCACRDSAHERASSRRKGCSSPPPPPEPSPQAPDGPSLQLPAQTFSS
 APVPGSSSSTLPSSCEQSRQAETPSDPQTETLSAMDVSEFLSLQSLDTPSNLIPIEAL
 LQGEEEMGLTSSFSK

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

MTF1 metal-regulatory transcription factor 1 [Homo sapiens]

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

mRNA Refseq

NM_005955

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Protein Refseq	NP_005946
MIM	600172
UniProt ID	Q14872

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