

Recombinant Human MTF1 293 Cell Lysate

Cat. No. MTF1-4085HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for metal-regulatory transcription factor 1 (MTF1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

Protein Refseq

NP_005946

MIM

600172

UniProt ID

Q14872

Chromosome Location

1p33

Function

DNA binding; RNA polymerase II core promoter sequence-specific DNA binding; core promoter binding; histone acetyltransferase binding; metal ion binding; protein binding; sequence-specific DNA binding transcription factor activity; transcription

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

coactivator activity; zinc ion binding;

☎ Tel: 1-631-559-9269 1-516-512-3133

☎ Email: info@creative-biomart.com ☎ Fax: 1-631-938-8127

☎ 45-1 Ramsey Road, Shirley, NY 11967, USA