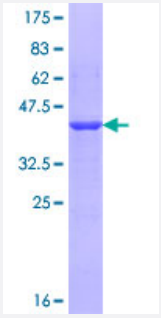
MTF1 (Human) Recombinant Protein (Q01)

Catalog # H00004520-Q01 Size 10 ug, 25 ug

Applications



Specification

Product Description	Human MTF1 partial ORF (NP_005946, 41 a.a. - 140 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GTVYDRTTVLIEQDPGTLEDEDDDGQCGEHLPFLVGGEEGFHLIDHEAMSQGYVQHIISPDQIHLTINPGSTPMPRNIEGATLTLQSECPETKRKEVKRY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (94); Rat (94)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — MTF1

Entrez GeneID	4520
GeneBank Accession#	NM_005955
Protein Accession#	NP_005946
Gene Name	MTF1
Gene Alias	MGC23036, MTF-1, ZRF
Gene Description	metal-regulatory transcription factor 1
Omim ID	600172
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transcription factor that induces expression of metallothioneins and other ge nes involved in metal homeostasis in response to heavy metals such as cadmium, zinc, copper, a nd 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). [pro vided by RefSeq
Other Designations	MRE-binding transcription factor-1|OTTHUMP00000004731|metal-responsive transcription factor 1|zinc regulatory factor

Disease

- Amyotrophic lateral sclerosis
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder

- Genetic Predisposition to Disease
- NARP