

## Product datasheet for **TP305931M**

### MT1F (NM\_005949) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human metallothionein 1F (MT1F), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205931 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MDPNCSCAAGVSTCAGSCKCKECKCTSCCKKSCCSCPVGCSKCAQGCVCCKGASEKCSCCD
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	5.9 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.
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:	<a href="#">NP_005940</a>
Locus ID:	4494
UniProt ID:	<a href="#">P04733</a>
RefSeq Size:	456
Cytogenetics:	16q13



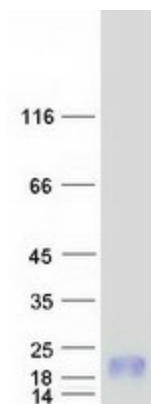
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RefSeq ORF: 183

Synonyms: MT1

Summary: Metallothioneins have a high content of cysteine residues that bind various heavy metals; these proteins are transcriptionally regulated by both heavy metals and glucocorticoids. [UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified MT1F protein (Cat# [TP305931]). The protein was produced from HEK293T cells transfected with MT1F cDNA clone (Cat# [RC205931]) using MegaTran 2.0 (Cat# [TT210002]).