

Product datasheet for PH305931

MT1F (NM_005949) Human Mass Spec Standard

Product data:

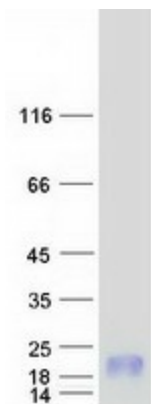
Product Type:	Mass Spec Standards
Description:	MT1F MS Standard C13 and N15-labeled recombinant protein (NP_005940)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205931
Predicted MW:	6.1 kDa
Protein Sequence:	>RC205931 protein sequence Red=Cloning site Green=Tags(s) MDPNCSCAAGVSTCAGSCKCKECKCTSCKKSCCSCPVGCSKCAQGCVCCKGASEKCSCCD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005940
RefSeq Size:	456
RefSeq ORF:	183
Synonyms:	MT1
Locus ID:	4494
UniProt ID:	P04733
Cytogenetics:	16q13



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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]).