

Product datasheet for PH314104

MT4 (NM_032935) Human Mass Spec Standard

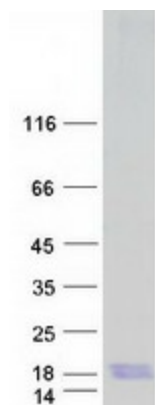
Product data:

Product Type:	Mass Spec Standards
Description:	MT4 MS Standard C13 and N15-labeled recombinant protein (NP_116324)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214104
Predicted MW:	6.4 kDa
Protein Sequence:	>RC214104 protein sequence Red=Cloning site Green=Tags(s) MDPRECVMSGGICMCGDNCKCTTCNCKTCRKSCCPCCPPGCAKCARGCICKGGSDKCSCP 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_116324
RefSeq Size:	294
RefSeq ORF:	186
Synonyms:	MT-4; MT-IV; MTIV
Locus ID:	84560
UniProt ID:	P47944
Cytogenetics:	16q13


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Summary:

Seems to bind zinc and copper. Could play a special role in regulating zinc metabolism during the differentiation of stratified epithelia.[UniProtKB/Swiss-Prot Function]

Product images:


Coomassie blue staining of purified MT4 protein (Cat# [TP314104]). The protein was produced from HEK293T cells transfected with MT4 cDNA clone (Cat# [RC214104]) using MegaTran 2.0 (Cat# [TT210002]).