

## Product datasheet for PH306669

### Mitochondrial Ferritin (FTMT) (NM\_177478) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FTMT MS Standard C13 and N15-labeled recombinant protein (NP_803431)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206669
Predicted MW:	27.5 kDa
Protein Sequence:	>RC206669 protein sequence Red=Cloning site Green=Tags(s)  MLSCFRLLSRHISPSLASLRPVRCCFALPLRWAPGRPLDPRQIAPRRPLAAAASSRDPTGPAAGPSRVVQ NFHPDSEAAINRQINLELYASYVYLSMAYYFSRDDVALNNSRYFLHQSREETEHAEKLMRLQNQRGGRI RLQDIKKPEQDDWESGLHAMECALLLEKNVNSLLELHALASDKGDPHLCDFLETYYLNEQVKSIELGD HVHNLVKMGAPDAGLAEYLFDTHTLGNENKQN  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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_803431</a>
RefSeq Size:	894
RefSeq ORF:	726
Synonyms:	MTF
Locus ID:	94033
UniProt ID:	<a href="#">Q8N4E7</a>



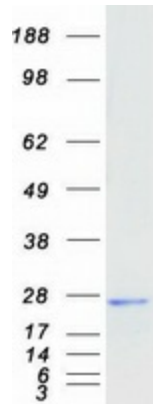
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Cytogenetics: 5q23.1

**Summary:** Stores iron in a soluble, non-toxic, readily available form. Important for iron homeostasis. Has ferroxidase activity. Iron is taken up in the ferrous form and deposited as ferric hydroxides after oxidation.[UniProtKB/Swiss-Prot Function]

**Protein Pathways:** Porphyrin and chlorophyll metabolism

**Product images:**



Coomassie blue staining of purified FTMT protein (Cat# [TP306669]). The protein was produced from HEK293T cells transfected with FTMT cDNA clone (Cat# [RC206669]) using MegaTran 2.0 (Cat# [TT210002]).