

## Product datasheet for **RC206669**

### Mitochondrial Ferritin (FTMT) (NM\_177478) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mitochondrial Ferritin (FTMT) (NM_177478) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mitochondrial Ferritin
Synonyms:	MTF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206669 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGTCCTGCTTCAGGCTCCTCTCCAGGCACATCAGCCCTTCGCTGGCGTCTCTGCGCCCGGTGCGCT  
GCTGCTTCGCGCTCCCGCTGCGTTGGGCCCGGGCGCCCTTGGACCCAGGCAGATCGCCCCCGCCG  
CCCCCTGGCCGACGCCCTCCTCCGGGACCCTACCGGGCCCGCCCGCCCTCTCGGGTGCGCCAG  
AACTTCCACCCCGACTCCGAGGCTGCCATCAACCGCCAGATCAACCTCGAGCTCTATGCGTCTACGTGT  
ACTTGTCCATGGCCTATTACTTCTCCCGGATGACGTGGCCTTGAACAATTCTCCAGGTATTTCTTCA  
CCAGTCCCGGGAGGAGACCGAGCACGCGGAGAAGCTGATGAGGCTGCAGAACCGAGGAGGCGCGATC  
CGCCTGCAGGACATCAAGAAGCCGGAACAGGACGACTGGGAAAGCGGGTGCATGCCATGGAGTGTGCTC  
TACTCTTGAAAAGAAGCTGAACCAAGTCTGCTGGAATTGCACGCTCTAGCCTCAGATAAAGGTGACCC  
CCATTTGTGCGATTTCTTGAAACCTACTACCTGAATGAGCAGGTGAAGTCTATCAAAGAAGTGGTAC  
CACGTGCACAACCTAGTGAAGATGGGGCCCGGATGCTGGCCTGGCGGAGTACCTTTTTGACACACATA  
CCCTTGAAATGAAAACAAGCAGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_177478.2](#)

**RefSeq Size:** 894 bp

**RefSeq ORF:** 729 bp

**Locus ID:** 94033

**UniProt ID:** [Q8N4E7](#)

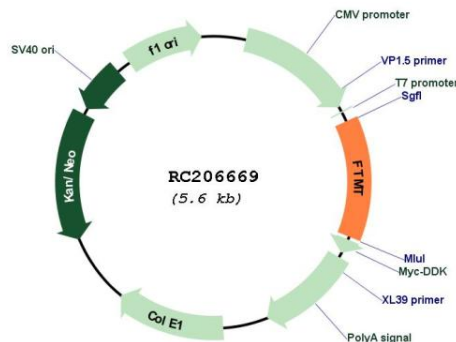
**Cytogenetics:** 5q23.1

**Protein Pathways:** Porphyrin and chlorophyll metabolism

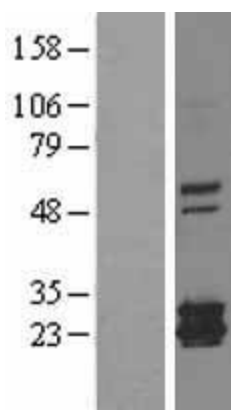
**MW:** 27.5 kDa

**Gene 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]

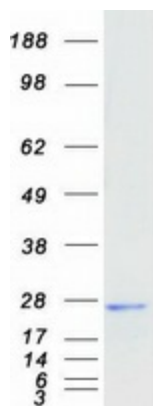
### Product images:



Circular map for RC206669



Western blot validation of overexpression lysate (Cat# [LY403590]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206669 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).