

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
CCCCCTGGCCGACGCCCTCCTCCGGGACCCTACCGGGCCCGCCGGCCCTCTCGGGTGCGCCAG
AACTTCCACCCCGACTCCGAGGCTGCCATCAACCGCCAGATCAACCTCGAGCTCTATGCGTCTACGTGT
ACTTGTCCATGGCCTATTACTTCTCCCGGATGACGTGGCCTTGAACAACTTCTCCAGGTATTTCTTCA
CCAGTCCCGGGAGGAGACCGAGCACGCGGAGAAGCTGATGAGGCTGCAGAACCGAGGAGGCCGATC
CGCCTGCAGGACATCAAGAAGCCGGAACAGGACGACTGGGAAAGCGGGTGCATGCCATGGAGTGTGCTC
TACTCTTGAAAAGAAGCTGAACCAAGTCTGCTGGAATTGCACGCTCTAGCCTCAGATAAAGGTGACCC
CCATTTGTGCGATTTCTGGAACCTACTACCTGAATGAGCAGGTGAAGTCTATCAAAGAAGTAGGTGAC
CACGTGCACAAGTGAAGATGGGGCCCGGATGCTGGCCTGGCGGAGTACCTTTTTGACACACATA
CCCTTGAAATGAAAACAAGCAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_177478.2](#)

RefSeq Size: 894 bp

RefSeq ORF: 729 bp

Locus ID: 94033

UniProt ID: [Q8N4E7](#)

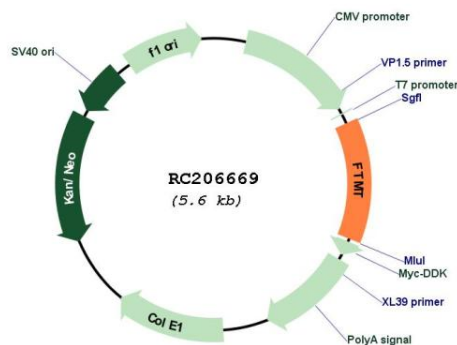
Cytogenetics: 5q23.1

Protein Pathways: Porphyrin and chlorophyll metabolism

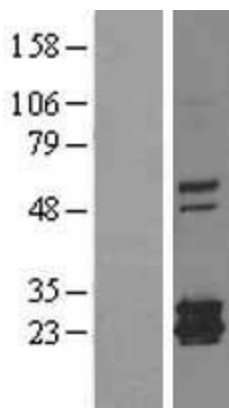
MW: 27.5 kDa

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]

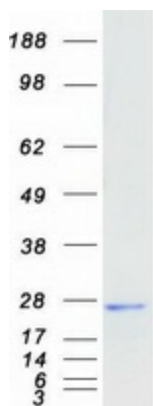
Product images:



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]).