

Product datasheet for SC315712

FITM2 (NM_001080472) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FITM2 (NM_001080472) Human Untagged Clone
Tag:	Tag Free
Symbol:	FITM2
Synonyms:	C20orf142; dj881L22.2; Fit2; SIDDIS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315712 representing NM_001080472. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGAGCATCTGGAGCGCTGCGAGTGGTTGTTGCGGGGAACGCTGGTGCGGGCGGCCGTGCGGCGCTAC
 CTGCCCTGGGCCCTGGTGGCCTCCATGCTGGCGGGCTCCCTCCTCAAGGAGTTGTCCCGTTGCCGAG
 AGCTACCTCAGCAACAAGCGCAACGTCTCAACGTGTATTTGTCAAAGTGGCCTGGGCCTGGACGTTT
 TGTCTCCTTCTGCCTTTTCATTGCCCTCACCACTACCATCTGACCGGCAAGGCTGGCTTGGTCTGCGG
 CGGCTGAGCACCTGCTTGTGGGCACGGCCATCTGGTACATCTGCACCTCCATCTTCTCCAACATCGAA
 CACTACACGGGCAGCTGCTACCACTCCCGAGCCCTGGAGGGGGTCAGAAAGGAACACCAGAGCAAGCAG
 CAGTGCCACCAGGAAGGGGGCTTTTGGCATGGCTTTGACATCTCAGGTCACTCCTTCTGCTGACCTTC
 TGCGCCCTCATGATTGTAGAAGAGATGTCTGTGCTGCATGAGGTGAAGACGGACCGAAGCCACTGCCTC
 CACACCGCCATCACCACTCGTTGTGGCCCTGGGCATTCTGACTTTTCATCTGGGTGTTGATGTTTCTG
 TGCACAGCTGTTTATTTCCACAACCTGTCCAGAAAGGTGTTTGGCACCTTGTTTGGTTTGTCTGAGCTGG
 TACGGGACATACGGGTTTGGTATCCGAAAGCCTTTCCCGAGGACTTCTCCCGAGCTGTAGTTTG
 AATTTGAAGCAAGATAGTTACAAGAAATAA
 ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001080472
Insert Size:	789 bp


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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001080472.1](#)

RefSeq Size: 958 bp

RefSeq ORF: 789 bp

Locus ID: 128486

UniProt ID: [Q8N6M3](#)

Cytogenetics: 20q13.12

Protein Families: Transmembrane

MW: 29.9 kDa

Gene Summary: FIT2 belongs to an evolutionarily conserved family of proteins involved in fat storage (Kadereit et al., 2008 [PubMed 18160536]).[supplied by OMIM, May 2008]