

Product datasheet for SC316513

FAM54A (MTRF2) (NM_001099286) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM54A (MTRF2) (NM_001099286) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM54A
Synonyms:	DUFD1; FAM54A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316513 representing NM_001099286. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCTCATACTGAATATCTTAAGAGAGATGCTGGAATATTTTGGCGTTCCTGTAGAACAGGTTTTG
CTGATTTGGGAAAATAAAGACTATGGATCAACTAGGAGTATTGTTCTGATTATTGGGAAAATGCTTCCA
CTGGAACCTTGTGAAGACCTAATTTTGTGATGATCCCGCTCTTGAACCTGTAGACTCTGATAATTGT
GGATCTATGGTCCATCTTTTGTGATATTTGTATGTGGCAAATGATGAAGAAGCCAGTTATCTCAGA
TTTCGAAATAGTATATGGAAAAATGAAGAAGAGAAAGTGGAAATTTTTCATCCTTTGCGACTAGTTCCG
GATCCACTGTACCTGTGTAAGACAGAAAGAACTGTGAAAAATGACCTGCCTGTAATGAAGCTGCA
ATTAGAAAAATAGCTGCCCTTGAAGATGAGCTGACTTTTCTTCGCTCTCAGATTGCAGCAATTGTGGAA
ATGCAGGAACTGAAAAATAGTACAAATCTAGTTCCTTTGGCTTGAGTGACGAGCCGATTAGTTTGGGT
CAGCTGTATCATCGCGGGCTGCCCATCTGAGTGTGGACCCAGATCAGCTTCCAGGTTTCAAGTCTTCT
CCTCCTCCTCCTCCACCCTTCTCCTCAGTTTTCATCTCTCCAGCCACCGTGTTCCTCCCGTACAA
CCAGGATCTAATAATATTTGTGACTCAGATAATCCAGCAACTGAAATGAGCAAACAGAACCCGGCTGCT
AATAAGACCAATTATAGTCATCATTCAAAAAGCCAGAGAAATAAGATATTCCAAACATGTTGGACGTT
CTAAAGGATATGAATAAGGTTAAGCTTCGTGCAATTGAGCGGTACCTGGCGGTAGACCCATTATAAG
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TTTCAAGAAGATGATTTCTTTGAGAAAAGAGAATAGATCTTGGGAATCTTCCCATTCTAGTCCAGAA
ACTTCAAGGTTTGGACATCACATTTACAGTCAGAAGGACAGCGAACTAAAGAAGAAATGGTCAACACA
AAAGCTGTTGACCAAGGTATCAGCAACACAAGCCTTCTAAACTCAAGGATTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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ACCN:	NM_001099286
Insert Size:	1158 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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:	<u>NM_001099286.2</u>
RefSeq Size:	1835 bp
RefSeq ORF:	1158 bp
Locus ID:	113115
UniProt ID:	<u>Q6P444</u>
Cytogenetics:	6q23.3
MW:	43.4 kDa
Gene Summary:	<p>May play a role in mitochondrial aerobic respiration essentially in the testis. Can also promote mitochondrial fission (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Both variants 1 and 2 encode the same protein (isoform a).</p>