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Product datasheet for RN204495

Fat2 (NM_022954) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fat2 (NM_022954) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fat2
Synonyms:	Fath2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204495 representing NM_022954 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGACTCTTGTCCTGCTGGGTCTAGCCATCCTGTTGCTCCACCGTGCAGCCTGTGAGAAGTCCCTAGAAG AAACCATCCCCCCCTTGTCTTGGCGCTTCACGCATTCCTTGTACAACGCCACCATCTATGAAAACTCTGC TCCCAAGACCTATGTGGAGAGCCCAGTGAAGATGGGCATGTATCTGGCAGAGCCCCACTGGGTGGTGAAA TACCGGATCATCTCTGGCGATGCAGCCGGAGTATTTAAGACGGAGGAGCATGTGGTAGGCAACTTCTGCT TTCTGAGAATAAGGACCAAGAGCAGCAACACGGCACTTCTCAACAGGGAGGTGCGAGACAGCTACACACT CATCGTGCAAGCCTCAGACAAGAGCCTGGAGTTCGAAGCGCTGACCCAAGTGGTGGTCCACATCCTGGAT CAGAATGACCTGAAGCCCCTCTTTTCCCCACCTTCCTACAGAGTCACCATCTCGGAGGACAGGCCCCTCA AGAGCCCCATCTGCAAAGTGACTGCCACAGATGCCGATCTGGGCCAGAACGCTGAGTTCTATTATGCCTT TAATGCCAGGTCAGAGGTCTTTGCCATCCACCCCACCAGTGGGGTGGTCACTGTGGCTGGAAAGCTGAAT GTCACACGGCGAGGCAAGTATGAGCTCCAGGTGCTGGCTGTGGACCGCATGAGAAAAATCTCGGAGGGCA ATGGATTTGGCAACTTGGCTTCGTTGGTAATTCGTGTGGAGCCTGTGCACAGGAAGCCCCCAGCTATCAA CTTAGTGGTCCTGAATCCACCAGAAGGTGATGAAGGTGACATCTATGCCATCGTCACGGTGGACACAAAC GGTTCAGGAGCTGAAGTAGATTCCCTGGAAGTGGTTGGTGGTGACCCTGGAAAGTACTTCAAGGTCCTCA GGTCCTATGCCCAAGGCAATGAGTTCAATTTGGTGGCAGTCAGGGACATTAATTGGGCAGAACACCCTCA TGGCTTCAACATCAGCCTCCAGACCCACAGTTGGAGCAGATTTCCACCCCACTCCATCATCAGGGCCTTC CATCTCCCATCGTGGAAACTGGCCAACCTCAGATTCGAGAAAGCAGTTTACAGAGTAAAGCTCAGTGAAT TCTCTCCTCCTGGAAGCCGTGTGGCATTGGTGAAGGTCACCACGGCTCTCCCCAATTTGCGTTATTCTCT AAAGCCATCCTCCAGGAACACAGCATTCAAGTTGAATGCTCGAACAGGCCTGATCACCACCACGAAGCTT GTGGACTTCCATGAACAAAACCAGTACCAGCTCCATGTCAAAACTTCCCTGGGTCAGGCCACCACCACCG TGATCATTGATATTGTGGACTGTAACAACCATGCCCCAGTCTTCAACAGATCTTCCTATGAAGGGACCTT GGATGAGAACATCCCCCCTGGCACCAGTGTTTTGACTGTGACAGCCACAGACCAGGACCATGGGGACAAT

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Restriction Sites: SgfI-MluI

ACCN: NM_022954

Insert Size: 13056 bp

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.

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).

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_022954.1, NP_075243.1

RefSeq Size: 14560 bp

RefSeq ORF: 13056 bp

Locus ID: 65048

UniProt ID: O88277

Cytogenetics:	10q22
Gene Summary:	Drosophila and human homolog is a tumor suppressor gene [RGD, Feb 2006]