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Product datasheet for MC207279

Fnbp1 (NM_019406) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fnbp1 (NM_019406) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fnbp1
Synonyms:	1110057E06Rik; 2210010H06Rik; FBP1; Fbp17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207279 representing NM_019406 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGCTGGGGCACTGAGCTCTGGGATCAGTTTGACAACTTGGAAAAACATACACAGTGGGGAATCGATA TTCTTGAGAAATACATCAAGTTTGTCAAGGAGAGGACGGAGATTGAGCTCAGCTATGCCAAGCAACTCAG GAATCTTTCAAAGAAATACCAACCTAAGAAGAACTCGAAGGAAGAGGAGGAGTACAAGTACACGGCTTGC AAAGCCTTTCTTTCCACCCTGAATGAGATGAATGACTACGCCGGGCAGCACGAGGTCATCTCTGAGAACA TGACGTCACAGATCACGGTGGACCTGATGCGCTACGTTCAGGAGCTGAAGCAGGAGAGGAAATCGAACTT CCATGATGGACGGAAGGCTCAGCAGCACATAGAAACGTGTTGGAAGCAACTGGAGTCAAGTAAGAGGAGG TTTGAGCGGGACTGTAAGGAAGCCGACCGGGCACAGCAGTACTTCGAGAAAATGGACGCTGACATCAACG TGACCAAGGCGGATGTGGAAAAGGCACGACAACAAGCTCAGATACGCCAGCAAATGGCAGAGGACAGCAA AGCAGATTACTCCTTAATCCTGCAGAGATTCAACCAGGAGCAATGGGAATACTACCATACCCACATCCCC AACATCTTCCAGAAAATACAAGAGATGGAGGAGAGGCGGATTGTGCGTATTGGGGAGTCCATGAAGACGT ACGCAGAGGTGGACCGGCAGGTGATACCCATCATCGGGAAGTGCCTGGACGGGATAGTGAAGGCGGCCGA GTCTATCGACCAGAAAAACGACTCCCAGCTGGTCGTAGAAGCCTATAAGTCAGGATTCGAGCCTCCTGGA GACATTGAATTCGAAGATTACACACAGCCAATGAAACGCACAGTGTCAGACAACAGCCTTTCCAGCTCCA AAGAAGGCAAGCCTGAGCTCAGATTTGGCGGCAAGTCCAGAGGCAAGCTCTGGCCATTCATCAAGAAAAA CAAGGTACTGGCCATTTGGACCCTGCGTGGGCTGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI

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ACCN:	NM_019406
Insert Size:	1017 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_019406.3, NP_062279.1
RefSeq Size:	1983 bp
RefSeq ORF:	1017 bp
Locus ID:	14269
UniProt ID:	Q80TY0
Cytogenetics:	2 B
Gene Summary:	Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during the late stage of clathrin-mediated endocytosis. Binds to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also enhances actin polymerization via the recruitment of WASL/N-WASP, which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. May act as a link between RND2 signaling and regulation of the actin cytoskeleton. May be required for the lysosomal retention of FASLG/FASL (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses a different segment for its 3' coding region and UTR, compared to variant 3. The resulting protein (isoform b) has a different and shorter C-terminus when it is compared to isoform c. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.