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Product datasheet for MC205044

Dpf1 (NM_013874) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpf1 (NM_013874) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dpf1
Synonyms:	Neud4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC052348 GTAGCGCGCTGGGCGGCAGAGCGGGCGGCGCAGGCCGGGCTGGGCCCGCGCTCAGCGGCAGCAGCAGCGG CGCCCCGGGCCGGAGGCGGCCCAGCCGAGCGGGCCATGGCCACCGCCATTCAGAACCCGCTCAAGTCCCT TGGCGAGGACTTCTACCGGGAGGCCATCGAGCACTGTCGCAGCTACAACGCGCGCCTGTGTGCCGAGCGC AGCCTGCGCCTGCCTTTCCTCGACTCGCAGACCGGAGTGGCCCAGAACAACTGCTACATCTGGATGGAGA AGACCCACCGCGGGCCTGGTTTGGCCCCGGGACAGATCTACACTTACCCCGCCCGCTGTTGGAGGAAGAA ACGGAGACTCAACATCCTGGAGGACCCCAGGCTCCGGCCCTGCGAGTACAAGATCGATTGTGAGGCACCT CTGAAGAAGGAGGGTGGCCTCCCGGAAGGGCCAGTCCTCGAGGCTCTGCTGTGTGCTGAGACTGGAGAGA AGAAAGTGGAGCTGAAGGAGGAGGAGACCATCATGGACTGTCAGAAACAGCAGTTGCTGGAGTTTCCGCA TGATCTCGAGGTAGAAGACTTGGAGGAAGACATTCCCAGGAGGAAGAACAGGGCAAGAGGAAAGGCATAT GGCATTGGAGGTCTCCGCAAACGCCAGGACACCGCATCCCTGGAGGACCGAGACAAGCCGTACGTCTGTG ATATCTGTGGGAAGAGATATAAGAACCGGCCAGGACTCAGCTACCATTACACCCACACCCACCTGGCTGA GGAGGAGGGGGAGGAGCACACTGAACGCCACGCCCTGCCTTTCCACCGGAAAAACAACCATAAACAGTTT TACAAAGAATTGGCCTGGGTCCCCGAGGCACAGAGGAAACACACAGCCAAGAAAGCACCAGATGGCACTG TCATCCCCAATGGCTACTGTGACTTTTGCCTGGGGGGCTCCAAGAAGACTGGGTGTCCCGAGGACCTCAT CTCCTGTGCGGACTGTGGGCGATCAGGACATCCCTCGTGTTTACAGTTCACGGTGAACATGACCGCGGCT GTGCGGACCTACCGCTGGCAGTGCATTGAATGCAAGTCCTGCAGCCTGTGTGGCACCTCGGAGAATGACG ACCAGCTGCTGTTCTGTGATGACTGCGATCGAGGTTACCACATGTACTGCCTGAGCCCTCCCATGGCGGA GCCCCCGGAAGGGAGCTGGAGCTGCCACCTCTGTCTCCGGCACTTGAAGGAAAAGGCCTCTGCTTACATC ACCCTGACCTAGGCCCGGCTCTGCTTCCCCAGGATCTTTGGGTGGTGCTATCTCCTGCCTCTTGGAGCTC CTGGCGCTCCCCACCCGGTGTCCCCAGTGGAAGGGATGGGGTGAAGCCCAGAGTGGGGGGGGGCAAGGTG TTCTCCCTCTGCAAGTGGAATGTTACCCTGTGGGTGGCTGGGTCCAACAGGGTCCCTCCTGTCCCCCCTC TTCATCCCTTGACAAATGGGCACCAGGCTTCTGCTCTCCTCAAAGCCATACCCCCGCCTTTGGGCGGGCA TAGAGGGGTAGTGGATGCTAGCCAGCAGCACGGAAAGAGCCTTTTTCTAAAGAAAAAGACAAAACGCGAA AAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	SfiI-SfiI

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ACCN:	NM_013874
Insert Size:	1167 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.
RefSeq:	BC052348, AAH52348
RefSeq Size:	1637 bp
RefSeq ORF:	1167 bp
Locus ID:	29861
UniProt ID:	Q9QX66
Cytogenetics:	7 B1
Gene Summary:	May have an important role in developing neurons by participating in regulation of cell survival, possibly as a neurospecific transcription factor. Belongs to the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a post-mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth. [UniProtKB/Swiss-Prot Function]