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Product datasheet for MC229617

Disp1 (NM_001278218) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Disp1 (NM_001278218) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Disp1
Synonyms:	1190008H24Rik; DispA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229617 representing NM_001278218 Red=Cloning site Blue=ORF Orange=Stop codon CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC GCCC ATGGCTGTGATCAGCGGAAGTGACTCTGTGCTCCTGAGCAATGGCAGCATCTCGACCAGCACCTCCAACC CTAGTCCCCTCAGCCCCAGTGATGGAGACCTCCCAGCCCAGCACCTCGGACCCAGAGAAACCCCAAGAAC AAAAGCAAGCCCAAATGGATGCCTGCAACTTAATGGCACAGTTAAGTCATCCTTTCTGCCTTTAGACAAC CAAAGAACACCTCAGACGCCAACTCAATGCTGCCACCCTTGTCCATACCATCACCCTGTGAGCAGCCATA GCAATCACCAGGAGTGCCATCCCGAGGCTGGCCTTGCAGCCTCCCCCGCTTTGGCCTCGTGTCGCATGCA GCCACATTCCGAATACTCTGCATCTCTGTGTCCAAACCATTCACCCGTGTATCAGGCTGCGCACTGCCTT CAGCCCTCGCCATCTTTCTGCCTTCATCACCCGTGGCCTGACCATTTCCAGCATCAACCTGTACGGCAGC ACCTGACCATCATCAGGCCGTCCAGACCTTTCAAGTTCCCGAGAAGTTACGCAGCCCTGCTGGCTGACTG GCCTGTGGTGGTCCTGGGCATGTGCACGCTGCTCATCGTGGTCTGTGCCCTGGTGGGGGTCCTAGTGCCA GAGCTCCCCGACTTCTCGGACCCGCTGCTGGGTTTTGAACCAAGAGGGACCACGATAGGACAGAGGCTGG TCACGTGGAATAACATGATGCGAAACACAGGGTACAAAGCAACATTGGCCAACTATCCTTATAAGTATGC AGAGGAGCAAGCCCGAAGCCACCGGGATGACCGATGGTCAGACGATCACCATGAGAGAGAGAGAAGAGAA GTGGACTGGAACTTCCAGAAAGACAGCTTCTTCTGCGATGTTCCAAGTGATGGATACTCCAGAGTAGTGT TTGCTTCAGCAGGAGGGGAGACTCTGTGGAATTTACCTGCAATTAAGTCGATGTGTGATGTGGATAATTC CAGGATCAGATCCCACCCCCAGTTCAGCGATCTCTGCCAGAGGACCACTGCCGTCTCCTGCTGCCCGAGC TGGACCCTGGGGAATTACATCGCCATTCTGAATAACAGATCGTCCTGTCAGAAGATTGTTGAGCGAGATG TCTCTCACACGCTGAAGCTGCTCCGGACCTGCGCCAAGCACTACCAAAACGGCACCCTGGGGCCAGACTG CTGGGACAAGGCGGCCAGAAGGAAGGACCAGCTCAAGTGTACCAACGTGCCGCGCAAGTGTACCAAATAC AACGCCGTGTACCAGATTCTCCACTATCTGGTAGACAAGGACTTCATGACCCCAAAGACGGCTGACTACG CCGTGCCAGCTTTAAAGTACAGCATGCTCTTCTCCCCCACGGAGAAAGGGGAGAGCATGATGAACATTTA CCTGGACAACTTCGAAAACTGGAACTCCTCGGACGGCATCACCACCGTCACCGGCATCGAGTTTGGCATC AAACACAGCTTGTTCCAGGATTACCTCCTCATGGACACCGTGTACCCCGCCATCGCCATCGCCATTGTCC

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TGCTCATCATGTGTGTCTACACCAAGTCCATGTTCATCACGCTCATGACCATGTTTGCCATCATCAGCTC
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AATAAAAACACTATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI

ACCN: NM_001278218

Insert Size: 4566 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001278218.1, NP_001265147.1
RefSeq Size:	4942 bp
RefSeq ORF:	4566 bp
Locus ID:	68897
UniProt ID:	Q3TDN0
Cytogenetics:	1
Gene Summary:	Functions in hedgehog (Hh) signaling. Regulates the release and extracellular accumulation of cholesterol-modified hedgehog proteins and is hence required for effective production of the Hh signal. Synergizes with SCUBE2 to cause an increase in SHH secretion (PubMed:22902404). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, and 4 encode the same protein.