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Product datasheet for MC229619

Disp1 (NM_001278220) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Disp1 (NM_001278220) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Disp1
Synonyms:	1190008H24Rik; DispA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC229619 representing NM_001278220
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

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AAACACAGCTTGTTCCAGGATTACCTCCTCATGGACACCGTGTACCCCGCCATCGCCATCGCCATTGTCC
TGCTCATCATGTGTGTCTACACCAAGTCCATGTTCATCACGCTCATGACCATGTTTGCCATCATCAGCTC
GCTCATTGTCTCCTACTTCCTCTACCGAGTCGTCTTTAACTTCGAGTTTTTCCCCTTTATGAACCTCACG
GCGCTCATCATCCTGGTCGGGATTGGCGCGGACGACGCTTTTGTCCTGTGCGACGTCTGGAACTACACCA
AGTTCGACAAGCCTCGCGCGGAAACTTCGGAGGCGGTGAGTGTCACCTTGCAGCACGCGGCCCTCTCCAT
GTTTGTCACCAGCTTCACCACTGCCGCTGCCTTCTACGCTAACTACGTCAGCAACATCACGGCCATCAGG
TGCTTCGGGGTGTACGCGGGGACCGCCATATTGGTGAATTACGTCTTGATGGTCACCTGGCTCCCGGCTG
TGATTGTTCTGCACGAGCGGTACCTCCTCAATATATTCACCTGCTTCAGGAAGCCCCAGCCACAAGCCTA
CGACAAGAGCTGCTGGGCAGTGCTCTGTCAGAAGTGCCGCAGGGTGCTCTTTGCCGTCTCAGAGGCATCG
CGGATTTTCTTTGAAAAGGTGCTGCCGTGCATAGTCATCAAGTTTCGCTACCTTTGGCTCATCTGGTTCC
TCGCCCTGACTGTGGGCGGGGCCTACATCGTGTGCGTAAACCCAAAGATGAAACTGCCGTCGCTGGAGCT
GTCTGAGTTCCAGGTGTTCCGGTCCTCTCATCCTTTCGAGCGCTATGATGCCGAGTTCAAGAAGCTCTTC
ATGTTTGAGCGGGTTCACCACGGAGAGGAGCTGCATATGCCCATCACGGTGATCTGGGGCGTGTCCCCAG
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TAGCCCAGCCTCCCAGGCCTGGATTTTACACTTCTGTCAGAAGCTGAGGAATCAGACCTTCTTCCACCAG
ACGGAGCAGCAGGACTTCACCAGCTGTTTCATCGAGACCTTCAAACAGTGGATGGAGAACCAGGACTGTG
ACGAGCCTGCCCTGTATCCCTGCTGCAGCCACTGCAGCTTCCCCTATAAGCAAGAGGTTTTCGAGCTGTG
CATCAAGAAGGCCATCATGGAGCTGGACAGAAGCACGGGATATCATCTGAATAACAAGACCCCCGGGCCA
AGGTTCGACATCAACGACACCATCAGGGCGGTGGTGCTGGAGTTCCAGAGCACCTTCCTCTTCACCCTGG
CCTACGAGAAGATGCAGCAGTTCTACAAGGAGGTGGACTCGTGGATTTCCCACGAGCTGAGTTCGGCCCC
CGAGGGCCTCAGCCGCGGCTGGTTTGTCAGCAACCTGGAGTTCTACGACCTGCAGGACAGCCTTTCCGAC
GGCACCCTCATCGCCATGGGGCTCTCGGTGGCCGTTGCCTTCAGCGTGATGCTGCTGACCACGTGGAATA
TCATCATAAGCCTGTACGCCATCGTCTCCATAGCTGGAACCATATTTGTCACAGTCGGGTCCCTGGTCCT
GCTGGGCTGGGAGCTGAACGTGCTGGAGTCCGTCACCATCTCGGTCGCAGTCGGCCTGTCTGTAGACTTT
GCCGTCCACTACGGGGTGGCGTACCGCTTGGCTCCAGATCCCGACCGAGAAGGCAAGGTCATCTTCTCTC
TGAGCCGTATGGGCTCTGCGATCGCCATGGCTGCACTGACCACCTTCGTGGCGGGGGCCATGATGATGCC
CTCCACGGTCCTGGCTTACACGCAGCTGGGCACGTTCATGATGCTCGTCATGTGCGTGAGCTGGGCCTTC
GCCACCTTCTTCTTCCAGTGCCTGTGTCGGTGCCTGGGGCCACAAGGCACCTGCGGCCAGATCCCTTTCC
CTACAAAACTCCAGTGCAGTCCCTTTTCCCACACCTTGTCTGCAAGGCCTGGGGACAGGGGACCAAGCAA
AACACATGCCGCCAGTGCGTACAGCGTAGATGCCAGGGGCCAGAAATCCCAACTGGAGCATGAGTTTTAC
GAGTTACAGCCCCTGGCATCTCACAGCTGCACTTCCTCGGAGAAGACTACGTACGAAGAGCCACACACCT
GCTCCGAATTTTTCAACGGCCAAGCAAAGAATTTAAGGATGCCTGTGCCTGCAGCCTACAGCAGCGAACT
CACCAAAAGCCCCAGCAGTGAGCCAGGCTCAGCCTTGCTGCAGTCCTGTCTGGAGCAGGACACCGTGTGC
CATTTCTCTCTCAATCCGAGATGTAACTGCCGAGACGCCTACACACACTTACAGTACGGATTACCAGAAA
TCCACTGCCAGCAGATGGGTGACTCCTTATGCCACAAGTGTGCCTCCACTGCAGGCGGCTTTGTCCAGAT
TCAGAGTTCGGTGGCACCTCTGAAGGCCTCACACCAAGCCGCCGAGGGCCTTCTGCACCCTGCCCAGCAC
ATGCTGCCCCCAGGGATGCAGAATTCTCGGCCTAGGAATTTCTTTCTCCACTCAGTGCAGCACTTTCAGG
CCCAAGAAAACCTGGGTCGCACCAGCACACACAGCACGGATGAGCGTCTTCCCAGGACAGCAGAGCTGTC
ACCGCCACCGTCTGACAGCAGGAGCACTGAGTCTTTCCAAAGAGCTTGTTGCCATCCTGAGAATAACCAA
AGGAGACTCTGCAAAAGTAGAGACCCAGGGGACACAGAGGGCAGTGGAGGGACAAAATCCAAGGTCTCTG
GTTTACCAAACCAGACTGACAAGGAGGAGAAGCAAGTGGAGCCAAGCCTGCTGCAGACCGATGAAACTGT
GAACTCAGAACATTTAAATCATAACGAATCAAACTTTACATTCAGCCATTTACCAGGGGAGGCTGGCTGC
AGGTCCTGCCCAAACAGTCCACAGAGTTGTAGAAGCATCATGAGATCGAAGTGCGGGACTGAGGACTGCC
AGACGCCAAACCTTGAAGCCAATGTGCCTGCTGTACCAACACACTCAGACCTGTCTGGCGAGAGTCTGTT
AATAAAAACACTATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI

ACCN: NM_001278220

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_001278220.1, NP_001265149.1
RefSeq Size:	4785 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 (4) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, and 4 encode the same protein.