

Product datasheet for MC224638

Disp1 (NM_026866) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Disp1 (NM_026866) 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:	>MC224638 representing NM_026866 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCC

ATGGCTGTGATCAGCGGAAGTACTCTGTGCTCCTGAGCAATGGCAGCATCTCGACCAGCACCTCCAACC
CTAGTCCCCTCAGCCCCAGTGATGGAGACCTCCCAGCCCAGCACCTCGGACCCAGAGAAACCCCAAGAAC
AAAAGCAAGCCAAATGGATGCCTGCAACTTAATGGCACAGTTAAGTCATCCTTTCTGCCTTTAGACAAC
CAAAGAACACCTCAGACGCCAACTCAATGCTGCCACCCTTGTCACATACCATCACCTGTGAGCAGCCATA
GCAATCACCAGGAGTGCCATCCCGAGGCTGGCCTTGACGCTCCCGCGCTTTGGCCTCGTGTGCGATGCA
GCCACATCCGAATACTCTGCATCTCTGTGTCCAAACCATTACCCGTGTATCAGGCTGCGCACTGCCTT
CAGCCCTCGCCATCTTTCTGCCTTCATCACCCGTGGCCTGACCATTTCCAGCATCAACCTGTACGGCAGC
ACCTGACCATCATCAGGCCGTCCAGACCTTTCAAGTTCGCCGAGAAGTTACGCAGCCCTGCTGGTACTG
GCCTGTGGTGGTCTGGGCATGTGCACGCTGCTCATCGTGGTCTGTGCCCTGGTGGGGTCTAGTGCCA
GAGTCCCCGACTTCTCGGACCCGCTGCTGGGTTTTGAACCAAGAGGGACCACGATAGGACAGAGGCTGG
TCACGTGGAATAACATGATGCGAAACACAGGGTACAAAGCAACATTGGCCAATATCCTTATAAGTATGC
AGAGGAGCAAGCCGAAGCCACCGGGATGACCGATGGTCAGACGATCACCATGAGAGAGAGAGAAGAGAA
GTGGACTGGAACCTCCAGAAAGACAGCTTCTTCTGCGATGTTCCAAGTGTGGATCTCCAGAGTGTGT
TTGCTTCAGCAGGAGGGGAGACTCTGTGGAATTTACCTGCAATTAAGTCGATGTGTGATGGATAATTC
CAGGATCAGATCCCACCCAGTTCAGCGATCTCTGCCAGAGGACCACTGCCGTCTCCTGCTGCCCGAGC
TGGACCTGGGAATTACATCGCCATTCTGAATAACAGATCGTCTGTGAGAAGATTGTTGAGCGAGATG
TCTCTCACACGCTGAAGCTGCTCCGACCTGCGCAAGCACTACCAAAACGGCACCTGGGGCCAGACTG
CTGGGACAAGGCGCCAGAAGGAAGGACCAGCTCAAGTGTACCAACGTGCCGCGCAAGTGTACCAATAC
AACCCGTGTACCAGATTCTCCACTATCTGGTAGACAAGGACTTCATGACCCAAAGACGGCTGACTACG
CCGTGCCAGCTTTAAAGTACAGCATGCTTCTCCCCACGGAGAAAGGGGAGAGCATGATGAACATTTA
CCTGGACAACCTCGAAAACCTGGAACCTCTCGGACGGCATCACCACCGTCACCGGCATCGAGTTTGGCATC



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AAACACAGCTTGTTCAGGATTACCTCCTCATGGACACCGTGTACCCCGCCATCGCCATCGCCATTGTCC
 TGCTCATCATGTGTGTCTACACCAAGTCCATGTTTCATCACGCTCATGACCATGTTTGCCATCATCAGCTC
 GCTCATTGTCTCCTACTTCTCTACCGAGTCGTCTTAACTTCGAGTTTTTCCCTTTATGAACCTCACG
 GCGCTCATCATCTGGTCGGGATTGGCGCGGACGACGCTTTTGTCTGTGCGACGTCTGGAACACACCA
 AGTTTCGACAAGCCTCGCGCGAAACTTCGGAGGCGGTGAGTGTACCTTGACGACGCGGCCCTCTCCAT
 GTTTGTACCAGCTTACCACCTGCCCTGCCTTCTACGCTAACTACGTACGCAACATCACGGCCATCAGG
 TGCTTCGGGGTGTACGCGGGGACCGCCATATTGGTGAATTACGTCTTGATGGTCACCTGGCTCCCGCTG
 TGATTGTTCTGCACGAGCGGTACCTCCTCAATATATTACCTGCTTCAGGAAGCCCCAGCCACAAGCCTA
 CGACAAGAGCTGCTGGGAGTGCTCTGTGAGAAGTCCCGCAGGGTGTCTTTGCCGTCTCAGAGGCATCG
 CGGATTTTCTTTGAAAAGGTGCTGCCGTGCATAGTCATCAAGTTTCGCTACCTTTGGCTCATCTGGTTCC
 TCGCCCTGACTGTGGCGGGGCCACATCGTGTGCGTAAACCCAAAGATGAAACTGCCGTGCTGGAGCT
 GTCTGAGTTCAGGTGTTCCGGTCTCTCATCCTTTGAGCGCTATGATGCCGAGTTCAAGAAGCTCTTC
 ATGTTTGAGCGGGTTCACCACGGAGAGGAGCTGCATATGCCATCACGGTATCTGGGGCGTGTCCCGAG
 AAGACAGCGGGCACCCTCTGAACCCCAAGAGCAAAGGGGAGCTGACACTAGATAGCACGTTCAACATTGC
 TAGCCCAGCCTCCAGGCTGGATTTTACACTTCTGTGAGAAGCTGAGGAATCAGACCTTCTTCCACCAG
 ACGGAGCAGCAGGACTTACCAGCTGTTTCATCGAGACCTTCAAACAGTGATGGAGAACCAGGACTGTG
 ACGAGCCTGCCCTGTATCCCTGTGACGCCACTGCAGCTTCCCTATAAGCAAGAGGTTTTGAGAGCTGTG
 CATCAAGAAGGCCATCATGGAGCTGGACAGAAGCACGGGATATCATCTGAATAACAAGACCCCCGGGCCA
 AGGTTTCGACATCAACGACACCATCAGGGCGGTGGTGTGGAGTTCAGAGACACCTTCTCTTACCCTGG
 CCTACGAGAAGATGCAGCAGTTCTACAAGGAGTGGACTCGTGGATTTCCACAGAGCTGAGTTCGGCCCC
 CGAGGGCCTCAGCCGCGGCTGGTTTGTGAGCAACCTGGAGTCTACGACCTGCAGGACAGCCTTCCGAC
 GGCACCTCATCGCCATGGGCTCTCGGTGGCCGTTGCCCTCAGCGTGATGCTGCTGACCACGTGGAATA
 TATCATAAAGCTGTACGCCATCGTCTCCATAGCTGGAACCATATTTGTACAGTCGGGCTCCCTGTCTC
 GCTGGGCTGGGAGCTGAACGTGCTGGAGTCCGTACCATCTCGGTGCGAGTCGGCCTGTCTGTAGACTTT
 GCCGTCCACTACGGGTGGCGTACCGCTTGGCTCCAGATCCCGACCGAGAAGGCAAGGTATCTTCTCTC
 TGAGCCGTATGGGCTCTGCGATCGCCATGGCTGCACTGACCACCTTCGTGGCGGGGCCATGATGATGCC
 CTCCACGGTCTGGCTTACACGCAGCTGGGCACGTTTATGATGCTCGTATGTGCGTGAGCTGGGCCTTC
 GCCACCTTCTTCTCCAGTGCCTGTGTCGGTGCCTGGGGCCACAAGGCACCTGCGCCAGATCCCTTTCC
 CTACAAAACCTCCAGTGCAGTCCCTTTCCACACCTTGTCTGCAAGGCCTGGGGACAGGGGACCAAGCAA
 AACACATGCCGCCAGTGCATACAGCGTAGATGCCAGGGCCAGAAATCCCAACTGGAGCATGAGTTTTAC
 GAGTTACAGCCCCTGGCATCTCACAGTGCACCTCCTCGGAGAAGACTACGTACGAAGAGCCACACACCT
 GCTCCGAATTTTCAACGGCCAAGCAAAGAATTAAGGATGCCTGTGCCTGCAGCCTACAGCAGCGAACT
 CACCAAAAAGCCCCAGCAGTGAGCCAGGCTCAGCCTTGGTGCAGTCTGTCTGGAGCAGGACACCGTGTGC
 CATTCTCTCTCAATCCGAGATGTAAGTCCCGAGACGCCTACACACACTTACAGTACGGATTACCAGAAA
 TCCACTGCCAGCAGATGGGTGACTCCTTATGCCACAAGTGTGCCTCCACTGCAGGCGGCTTTGTCCAGAT
 TCAGAGTTCGGTGGCACCTCTGAAGGCCTCACACCAAGCCGCGAGGGCCTTCTGCACCTGCCAGCAC
 ATGCTGCCCCAGGGATGCAGAATCTCGGCCTAGGAATTTCTTCTCCACTCAGTGCAGCACTTTCAGG
 CCCAAGAAAACCTGGGTGCGACACAGCACACAGCAGGATGAGCGTCTCCAGGACAGCAGAGCTGTC
 ACCGCCACGCTGACAGCAGGAGCACTGAGTCTTCCAAAGAGCTTGTGCCATCTGAGAATAACCAA
 AGGAGACTCTGCAAAAGTAGAGACCCAGGGGACACAGAGGGCAGTGGAGGGACAAAATCCAAGTCTCTG
 GTTTACCAAACAGACTGACAAGGAGGAGAAGCAAGTGGAGCAGCAAGCCTGCTGCAGACCGATGAAACTGT
 GAACTCAGAACATTTAAATCATAACGAATCAAACCTTACATTACGCCATTTACCAGGGGAGGCTGGCTGC
 AGGTCCTGCCAAAACAGTCCACAGAGTTGTAGAAGCATCATGAGATCGAAGTGGGGGACTGAGGACTGCC
 AGACGCCAAAACCTGAAGCCAATGTGCCTGCTGTACCAACACACTCAGACCTGTCTGGCGAGAGTCTGTT
 AATAAAAAACATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Ascl-MluI

ACCN:

NM_026866

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).
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:	<ol style="list-style-type: none">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:	<u>NM_026866.3, NP_081142.3</u>
RefSeq Size:	5030 bp
RefSeq ORF:	4566 bp
Locus ID:	68897
UniProt ID:	<u>Q3TDN0</u>
Cytogenetics:	1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, 3, and 4 encode the same protein.</p>