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Product datasheet for SC305651

DISP2 (NM_033510) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DISP2 (NM_033510) Human Untagged Clone
Tag:	Tag Free
Symbol:	DISP2
Synonyms:	C15orf36; DISPB; HsT16908; LINC00594
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC305651 representing NM_033510 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACGGTGACAGCAGCAGCAGCAGCGGCGGCAGCGGTCCGGCTCCCGGCCCGGGTCCGGAAGGGGAGC
AACGGCCCGAGGGGGAGCCCTTGGCCCCAGACGGCGGCTCCCCGGACAGCACCCAGACCAAGGCTGTGCC
CCCTGAGGCAAGCCCAGAGAGAAGCTGCTCCCTCCACAGCTGCCCCCTGGAGGACCCTTCCAGCTCTTCA
GGACCCCCACCAACAACTTCCACCCTCCAGCCTGTGGGTCCATCCAGCCCCTTGGCCCCTGCCCACTTCA
CCTATCCCCGGGCACTGCAGGAATACCAGGGGGGCAGTTCCCTGCCAGGACTTGGGGATCGGGCAGCTCT
CTGCTCCCACGGCTCCAGCCTCAGCCCTTCTCCAGCCCCCTCACAGCGCGATGGGACCTGGAAGCCACCC
GCTGTGCAGCACCATGTGGTCAGCGTCAGGCAGGAACGAGCCTTCCAGATGCCAAAGAGCTATTCCCAGC
TGATTGCTGAGTGGCCAGTGGCCGTGCTGATGCTGTGTCTGGCTGTCATCTTCCTCTGCACCCTGGCTGG
ACTGTTGGGGGCCCGGCTGCCCGACTTCTCCAAGCCTTTGCTGGGCTTTGAGCCACGGGACACAGACATT
GGGAGCAAGTTAGTGGTCTGGAGAGCACTACAAGCCCTCACAGGCCCCAGGAAGCTGCTTTTCCTTTCCC
CAGACCTTGAGCTGAACAGCTCGAGCTCCCACAACACTCTGAGGCCTGCACCCAGAGGCAGTGCCCAGGA
GAGCGCTGTCCGGCCTCGGAGAATGGTGGAGCCCCTGGAGGACAGAAGGCAAGAGAACTTCTTCTGTGGC
CCCCCTGAGAAGAGCTATGCAAAGCTGGTGTTCATGTCCACCTCCTCGGGCAGCCTATGGAACCTGCATG
CCATCCATTCCATGTGTCGCATGGAACAGGACCAGATCCGCTCCCATACCAGCTTCGGGGCTCTGTGCCA
GCGGACAGCAGCCAACCAGTGCTGCCCCAGCTGGTCCCTGGGCAACTATCTGGCTGTGCTCTCCAACCGC
TCCTCCTGCCTGGACACTACCCAAGCTGACGCAGCCCGCACACTGGCCCTGCTTCGGACCTGTGCCCTCT
ACTACCACAGTGGCGCCTTGGTGCCCTCTTGTCTGGGACCTGGGCAGAACAAGTCCCCACGCTGTGCCCA
GGTTCCCACCAAGTGCTCCCAGAGTAGTGCCATCTACCAACTCCTGCACTTTCTGCTTGACAGGGACTTT
CTGAGTCCCCAGACCACTGACTACCAGGTGCCTTCCCTCAAGTACAGCCTGCTCTTCCTGCCCACCCCAA
AGGGTGCTTCCCTCATGGACATCTACCTGGACCGGCTGGCCACCCCCTGGGGGCTTGCTGACAACTACAC
CTCTGTCACTGGCATGGACCTGGGCCTCAAGCAGGAGCTGCTGAGGCACTTCCTGGTCCAGGACACGGTG

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TACCCCTTGCTGGCTCTGGTTGCCATCTTCTTCGGCATGGCCCTGTACCTGCGCTCACTCTTCCTCACGC
TCATGGTGCTGCTGGGGGTGCTGGGCTCACTGCTGGTGGCCTTCTTCCTTTACCAGGTGGCCTTCCGCAT
GGCCTACTTCCCCTTCGTCAATCTGGCAGCCCTCCTCCTGCTGAGCAGCGTCTGCGCCAACCACACGCTC
ATCTTCTTCGACCTGTGGCGCCTTAGCAAGAGCCAGCTGCCGTCGGGGGGGCTGGCGCAGCGCGTGGGCC
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GCCGGGCGCGGGGCCGGTGGGAGGGCAGCGCGCCCCGGCGGCTACTGCTGGCGCTGCACCGGCGGCTCCG
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AAGTTCCGCTACATCTGGATCTGCTGGTTCGCAGCACTGGCGGCAGGGGGCGCCTACATCGCCGGAGTCA
GCCCCCGCCTGCGGCTGCCCACGCTGCCGCCGCCCGGCGGCCAGGTCTTCCGGCCCAGCCACCCCTTCGA
GCGCTTCGACGCGGAGTATCGCCAGCTGTTCCTGTTCGAGCAGCTGCCGCAGGGCGAGGGCGGCCACATG
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GCCTGGTGAGGGACCCTGCCTTCTCGGCCAGCGGCCCTGAGGCCCAGCGCTGGCTGCTGGCACTCTGTCA
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TCCCCTGGGCCCCCCAGTTTTTCCTGCACTGCCTGAAAATGATGGCTCTGGAGCAAGGCCCCGATGGCAC
CCAGGACCTGGGACTCCGCTTTGATGCCCATGGCAGCCTGGCCGCCCTGGTCCTACAATTCCAGACCAAC
TTCCGGAACAGTCCGGACTACAACCAGACCCAGCTCTTCTACAATGAGGTCAGCCACTGGCTGGCAGCGG
AGCTGGGCATGGCACCTCCAGGCCTCCGCCGTGGTTGGTTCACTAGCCGTCTAGAGCTGTATAGCCTGCA
GCACAGCCTGAGCACTGAGCCTGCTGTGGTGCTGGGCCTGGCTTTGGCGCTGGCCTTTGCCACACTGCTC
CTGGGCACCTGGAATGTTCCCCTCAGCCTATTCTCCGTGGCAGCTGTGGCAGGCACCGTGCTGCTCACTG
TAGGACTCCTGGTTCTCCTCGAGTGGCAGCTCAACACTGCCGAGGCCCTGTTTCTCTCTGCCTCAGTGGG
CCTCTCAGTAGACTTCACTGTCAACTACTGCATCTCCTATCACCTGTGCCCACACCCTGACCGCCTGAGC
CGTGTGGCCTTCTCTCTGCGCCAGACCAGCTGCGCCACAGCCGTGGGGGCTGCAGCCCTGTTTGCGGCAG
GCGTGCTCATGCTGCCTGCCACAGTGCTGCTCTATCGCAAGCTGGGCATCATCCTCATGATGGTCAAATG
CGTCAGTTGTGGCTTTGCCAGCTTCTTCTTCCAATCTCTCTGCTGTTTCTTCGGGCCAGAGAAGAACTGT
GGGCAGATCCTCTGGCCCTGTGCCCACCTGCCATGGGATGCTGGTACTGGGGACCCTGGTGGGGAGAAGG
CAGGCCGCCCACGACCAGGGTCAGTGGGAGGGATGCCCGGGTCCTGCTCAGAGCAATATGAGCTACAGCC
CCTGGCACGGCGTCGGAGCCCCAGCTTTGACACCAGCACAGCCACCAGCAAGCTGTCCCACCGGCCCTCA
GTACTCTCTGAGGATCTGCAGCTCCATGATGGTCCGTGCTGTTCCCGGCCCCCACCAGCCCCTGCCTCCC
CAAGGGAGCTGCTGCTGGACCACCAGGCAGTCTTCAGCCAGTGCCCTGCCCTGCAGACCTCCTCCCCCTA
TAAGCAGGCTGGCCCCAGCCCCAAAACCCGGGCCAGGCAGGACTCCCAAGGGGAGGAGGCTGAGCCCCTG
CCAGCCTCACCAGAAGCCCCAGCCCACTCTCCTAAGGCCAAGGCTGCAGATCCTCCTGATGGCTTCTGTT
CCTCAGCCAGCACCCTGGAGGGGCTCAGCGTCTCTGATGAGACCTGCCTAAGCACCTCTGAGCCCAGTGC
CCGTGTACCAGATTCCGTGGGTGTGTCCCCAGATGACCTGGATGACACTGGGCAGCCAGTCCTTGAGCGA
GGCCAGCTCAATGGGAAGCGGGACACCCTGTGGCTGGCGCTGAGGGAGACAGTGTATGACCCATCATTGC
CCGCTTCCCATCACAGCAGCTTGTCCTGGAAGGGCCGAGGGGGGCCAGGGGATGGCAGCCCTGTGGTGCT
GCCCAATAGCCAGCCAGACCTGCCAGATGTTTGGCTGCGCAGGCCCAGCACTCACACGTCAGGCTATAGC
AGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Please inquire

ACCN: NM_033510

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_033510.1, NP_277045.1
RefSeq Size:	5032 bp
RefSeq ORF:	4206 bp
Locus ID:	85455
UniProt ID:	A7MBM2
Cytogenetics:	15q15.1
Protein Families:	Transmembrane
Gene Summary:	This gene is one of two human homologs of a segment-polarity gene known as dispatched identified in Drosophila. The product of this gene may be required for normal Hedgehog (Hh) signaling during embryonic pattern formation. [provided by RefSeq, Jan 2017]