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Product datasheet for SC304276

DMXL2 (NM_015263) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: DMXL2 (NM_015263) Human Untagged Clone

Tag: Tag Free

Symbol: DMXL2

Synonyms: DEE81; DFNA71; EIEE81; PEPNS; RC3

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_015263, the custom clone sequence may differ by one or more nucleotides

ATGCATCTGCATCAGGTCCTCACCGGAGCTGTCAACCCTGGAGACAACTGCTACTCCGTG
GGCAGCGTCGGGGATGTCCCCTTCACGGCATATGGATCAGGCTGTGATATTGTTATTTTG
GCAAATGACTTTGAATGTGTACAGATCATTCCTGGTGCTAAGCATGGAAACATCCAAGTC
AGCTGTGTGGAGTGTTCTAACCAACAAGGAAGAATTGCAGCTTCATATGGTAATGCTGTT
TGTATATTTGAGCCCTTGGGCATAAATTCTCATAAAAGAAATTGTCAACTCAAGTGCCAG
TGGCTTAAAACTGGGCAGTTTTTTTTGAGTTCTGTGACATACAACTTAGCATGGGATCCT
CAAGATAATAGATTGTTGACAGCAACTGATTCTATTCAGTTGTGGGCTCCTCCAGGAGAT
GATATTCTGGAAGAGGAGGAAGAAATTGATAATACAGTTCCTCCTGTTTTAAATGATTGG
AAGTGTGTCTGGCAGTGCAAAACCTCAGTATCTGTACATTTGATGGAATGGTCTCCTGAT
GGTGAATATTTTGCTACTGCTGGAAAGGATGATTGTCTTTTGAAAGTGTGGTATCCTATG
ACTGGTTGGAAGTCTTCAATTATACCTCAGGATCATCATGAAGTAAAAAGGAGACAGTCC
TCTACTCAATTTTCTTTTGTTTACTTGGCACATCCCCGAGCTGTGACAGGTTTTTCGTGG
CGCAAAACTAGCAAGTATATGCCCAGGGGTTCTGTCTGTAATGTGTTGTTAACTTCATGT
CATGATGGTGTGTGCCGGCTCTGGGCAGAAACTTTATTACCAGAAGACTGTCTTTTGGGT
GAGCAGATTTGTGAGACTACCACTTCCAGCATTGCCAGCAGCCTTTCTCATGCTGGAAGA
CACAAAGACAGAATACAGCATGCTCTTGAGACAATACACCATTTGAAAAATTTAAGGAAA
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ACATCATCTACAGAAGTATTTATGCATCAATTACGAAAACTTTCTGATAAGCAGGTAGAT
CATGAAAATGATGATGCAGATAGAGAAGATGAGGAACATTCACAGGAGGATAGAGAACGG
GGTTTACATATGAAATTAGACCATGATTTATCCCTGGATAGAGAATCTGAGGCAGGTACA
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TCTTTTTCTTCTCGGATTCCTGTTGCATTTCCCTCTGGTGATGCAAGCTCTCTTAGTAAA
AATATCATGATGTATGCCTGTATAAATGCGACAAAAGATTCTCACCACACGCTGTTACAC

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CAGGAGGGGATGTCTGTAGGCAGTCCTCACGGATCACAGCCACACTCTAGATCCCACAGT
ACACATATGAACATCTTAGCTCCCACAGTAATGATGATCTCTAAACACATAGATGGTTCT
TTAAATCAGTGGGCAGTCACTTTTGCTGATAAGTCTGCCTTTACCACTGTTCTAACTGTA
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ATTACCTCTTCAAGTCTAGTTGCCACATCTGGACACTCCAATGACAATAGAAATGTTTGC
CTCTGGGACACATTAATATCACCCGGAAACAGCCTCATTCATGGTTTCACGTGCCACGAT
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CATGACTCAGCTATTAAGGCTCTGGCCTTGGATCCCTATGAGGAATATTTTACCACAGGT
TCAGCAGAAGGTAACATAAAGGTTTGGAGATTGACAGGCCATGGCCTAATTCATTCATTT
AAAAGTGAACATGCTAAGCAGTCCATATTTCGAAACATTGGGGCTGGAGTCATGCAGATT
GACATCATCCAGGGCAATCGGCTCTTCTCCTGTGGTGCAGATGGCACGCTGAAAACCAGG
GTTTTGCCCAATGCTTTTAACATCCCTAACAGAATTCTTGACATTCTATAA

Restriction Sites: Please inquire

ACCN: NM_015263

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: 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_015263.1, NP_056078.1

RefSeq Size: 9609 bp

RefSeq ORF: 9111 bp

Locus ID: 23312

UniProt ID: Q8TDJ6

Cytogenetics: 15q21.2

Gene Summary: This gene encodes a protein with 12 WD domains. Proteins with WD domains are involved in many functions including participation in signal transduction pathways. Participation of the encoded protein in regulation of the Notch signaling pathway has been demonstrated in vitro using several human cell lines (PMID:20810660). A gene encoding a similar protein is located on chromosome 5. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The resulting protein (isoform 2) is shorter compared to isoform 1.
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.