

Product datasheet for SC113678

DALRD3 (NM_018114) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DALRD3 (NM_018114) Human Untagged Clone
Tag:	Tag Free
Symbol:	DALRD3
Synonyms:	EIEE86
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018114, the custom clone sequence may differ by one or more nucleotides

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ATGCTGACCTTCCTGCAGCAACTGCGGGTGGACTGGCCCGCTGCCTCGGAGAGAGCTTCCTCCACACCC
TGAGGAGCCACGCCCTTGAAGAACTTACCTCTGCTAATGACGGGAGGACACTGTCCCTGGCATCCTAGG
CAGACTGTGTCTGAAGGAGCTGGTGAAGAAGAGGGCCGACAGCTGGCTATGACCCCAACCTGGACAAC
TGTCTGGTGAAGGATCTCCTCTCTGTGCTGGCTGAGCTGCAAGAGGCTCTATGGCATTGGCCCGAGG
ACAGCCACCCAGGCCTGGCTGGGGCCTCAGATACTGGTACAGGCGGCTGCCTGGTTGTACATGTTGTTAG
CTGTGAGGAGGAGTTCAGCAACAGAAGTTGGACCTGCTTGGCAGAAGTTGGTTGACAAGGCTCCACTC
AGACAGAAGCACCTCATCTGTGGCCCTGTGAAAGTAGCTGGTGCACCTGGCACTCTGATGACTGCCCTG
AGTACTACGAGTTCGGGCATACCCAGGTGTGCAAGGCCTCAGCACTGAAGCATGGTGGGGATCTGGCACA
AGACCCAGCCTGGACAGAGATCTTTGGTGTCTCTCTGTGGCCACCATCAAGTTTGAGATGCTGAGCACA
GCCCCACAGAGTCAGCTCTTCTGGCTCTGGCTGACAGCAGTATCTCCACGAAGGGCACAAGAGTGGCA
CCTTTGTGATGTATAATTGTGCCCGTCTTGCCACACTCTTTGAGAGTTACAAGTGTAGTATGGAACAAGG
TCTGTACCCCACTTTTCTCCTGTGAGCAGTCTGGACTTCTCACTGCTACATGATGAGGGTGAGTGGTTG
TTGCTCTTCAACAGTATCCTCCCTTTCCGGATCTGCTGAGCCGGACAGCAGTGTGGACTGCACAGCCC
CGGGGCTCCACATTGCTGTACGCACAGAGATGATATGCAAGTTCTGGTACAGCTCAGCATGGATTTAG
CTCCTACTACAACCGGGTACACATCCTGGGGGAGCCTCGACCACACCTCTTTGGTCAGATGTTTCGTCGCG
CTGCAGCTTCTGAGAGCTGTGCGTGAGGTGCTCCATACTGGCCTGGCTATGCTGGGTCTCCCTCCACTGA
GCCACATTTAA
  
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018114 unedited
 ATATTTGTATACGACTTACTATAGGCGGCCGGAATTCGGCACGAGGCGCAGGTTCCGGA
 GCATTTGCTCCATGCCCTCGCCTGCCTGCAGGGCCCCGGTGTGGCCCCGGTGTGCGCTG
 CGCGCCGACCCCCGCGGGTCTGTCTCTCCAACGACAGCGGTCCGCCGTCTTCGAGCGCGT
 CCTCAGCGCCGTGGCCGCTATGCCACGCCCGCCTCGCCTGCCTCGCTGGGCCAGCGCGT
 CTTACTACACTGCCCAGCACTGCGCAGCTCCCCCTGCGCACTCCGCTTGAGCCAGCTGCG
 TACGGTGCTCGTGGCCGATCACCTGGCGGAGCCCTGCGCGCTCACGGGGTGTGCGTGCG
 CCTAGTGCCAGCTGTGCGGGATCCGCACATGCTGACCTTCTGCAGCAACTGCGGGTGGA
 CTGGCCCCGCTGCCTCGGAGAGAGCTTCTCCACACCCTGAGGAGCCACGCCCTGAAGA
 ACTTACCTCTGCTAATGACGGGAGGACACTGTCCCCTGGCATCCTAGGCAGACTGTGTCT
 GAAGGAGCTGGTGAAGAACAGGGCCGCACAGCTGGCTATGACCCCAACCTGGACAACCTG
 TCTGGTACTGAGGATCTCTCTGTGCTGGCTGAGCTGCAAGAGGCTCTATGGCATTG
 GCCCGAGGACAGCCACCCAGGCCTGGTTAGTACTCCAGCCCCCTGTAGTCTCCAAAC
 CAAGTATACTGTACTTCCACAGNTATGATTGCTCCTNCTTTAGCTGGNGCCTCAGATACT
 GGTACAGGCGGCTGNCTGGTTGTACATNGTGNTAGCTGTGAGGGAGGAGTTCAGCAACAG
 AAGTGGNACCTGCTTNGNCNGNAGNTGGNTGACAAGGCTCCAACCTCAGACAGAGCAGCTCA
 TCTGTGGCCCTGTGAAAGTAGCTGGTGCACCTGGCACTCTGATGACTGCCCTGAGTACT
 ACGAGTTTCGGCATACCCAGTGTGCAGGCCTC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018114 unedited
 ATGACCGCGGCCCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGTAAACAAACAGTAC
 CAATTTATTTGGCCGTGGGTTTTTGTCTTTTTTCCAGTTGATGACTTTGTGAACATTCC
 CAGGTATTGGAGCCTCTGTGGCCTTAAATGTGGCTCAGTGGAGGGAGACCCAGCATAGCC
 AGGCCAGTATGGAGCACCTCACGCACAGCTCTCAGAAGCTGCAGGCGGACGAACATCTGA
 CCAAAGAGGTGTGGTCGAGGCTCCTGAAAGAGAAAGGGCCTGCTGGTCTATCCTCTGCT
 TCCTTTGCCTTTACCCTATACCTCTCTGCACGTCCCACCCCGTTTTGCTGTGTGCTCACC
 CCCAGGATGTGTACCCGTTGTAGTAGGAGCTGAAATCCATGCTGAGCTGTACCAGGAAC
 TTGCATATCTAGAGACAGAGACTGAGTCACTGGCCCATCTCTTTGCTCTGTGCCCCAGG
 CCAGAATAAAGATAGAGTGTAGAGTGTCTGGTTGTCTATGCCTCACCATCTCTGTGCG
 TACAGCAATGTGGAGCCCCGGGGCTGTGCAGTCCAGCACTGCTGTCCGGCTCAGCAGATC
 CGGAAAGGGGAGGATACTGTTGAAGAGCAACAACCACTCACCTGTTGGGGAGAAAGGTG
 CTGGGAGGGGAAAGTCCAGCCTCCTTGTGCCAGCTACCAGGAGGACACTCACCTCATCA
 TGTAGCAGTGAGAAGTCCAGACTGCTCACAGGAGGAAAAGTGGGGTACAGACCTTGNTCC
 ATACTACACTTGTAACTCTCAAAGAGTGTGGCAGACGGGCACATTATACATGACAAAGTG
 CCACTCTTTGTGCCCTTCGTGGAGAACTGCTGTACCAGAGCAGNAAGGCTGACTCTGTG
 GGCTGGCTCGCATCTCACTTGATGTGGCCACAGAAGAACCAAGATTCTGTCCAGCTGG
 GTCTGGGCANAA

Restriction Sites:

NotI-NotI

ACCN:

NM_018114

Insert Size:

2000 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:

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_018114.4, NP_060584.3

RefSeq Size: 2242 bp

RefSeq ORF: 1131 bp

Locus ID: 55152

UniProt ID: Q5D0E6

Cytogenetics: 3p21.31

Gene Summary: The exact function of this gene is not known. It encodes a protein with a DALR anticodon binding domain similar to that of class Ia aminoacyl tRNA synthetases. This gene is located in a cluster of genes (with a complex sense-anti-sense genome architecture) on chromosome 3, and contains two micro RNA (miRNA) precursors (mir-425 and mir-191) in one of its introns. Preferential expression of this gene (the miRNAs and other genes in the cluster) in testis suggests a role of this gene in spermatogenesis (PMID:19906709). [provided by RefSeq, Feb 2013]

Transcript Variant: This variant (2) contains an alternate 5' terminal exon and uses an in-frame downstream start codon compared to variant 1. The encoded isoform (2) has a shorter N-terminus compared to isoform 1.