

Product datasheet for **SC114430**

DBR1 (NM_016216) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DBR1 (NM_016216) Human Untagged Clone
Tag:	Tag Free
Symbol:	DBR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_016216 edited
 ATTATTTTGCAGGAGTCTACACCCAGGAGGTGGCTATACTTATTAAGTTGGCGGGAGCT
 GAGCGATCAGTCGGTCTCTGGCTGGCTGTGGTGTAGGGCGTTGCAGGCAGCGCTCACCTC
 CTCAGGCCGGCAGAAATGCGGGTGGCTGTGGCTGGCTGCTGCCACGGCGAGCTGGATAAGA
 TCTATGAGACGCTGGCGCTGGCAGAGCGGCGGGCCGGGGCCTGTCGACCTCTTGCTGT
 GCTGCGGGGACTTCCAGGCGGTGCGCAACGAGGCGGATCTACGCTGCATGGCCGTGCCGC
 CCAAGTATCGTACATGCAAACCTTCTACAGGTATTACTCTGGAGAGAAAAAGGCTCCAG
 TTCTCACGCTCTTCATTGGGGGAAACCATGAAGCCTCAAATCATTGCAAGAGTTACCCT
 ATGGTGGCTGGGTGGCACCAAACATTTATTATTTAGGTTTGGCTGGTGTGTTAAAATACC
 GAGGTGTAAGGATCGGTGGAATCTCTGGTATCTTTAAATCTCATGACTATCGAAAAGGTC
 ATTTTGTAGTGCCCCCTTATAATTCATCTACAATCAGGAGTATATATCATGTGAGAAATA
 TTGAAGTCTATAAATTAACAGCTGAAGCAGCCTATAGATATATTCTTGCTCATGATT
 GGCCAAGAAGTATATATCATTATGGAAATAAGAAGCAACTTCTTAAGACTAAATCTTTTT
 TCCGACAAGAAGTGGAAAATAACACATTAGGAAGTCCAGCTGCCTCAGAGCTTTTAGAGC
 ATCTCAAACCTACTTATTGGTTTTCTGCCACCTTCATGTGAAGTTTGGCGCCTTGATGC
 AGCATCAGGCAAAGGATAAAGGACAGACAGCCAGAGCAACCAATTTTTAGCCTTGAGACA
 AATGCTTACCACATAGAGATTTTCTTCAGATATTAGAGATAGAACATGACCCAGTGCTC
 CTGATTACTTGGAAATGATATTGAATGGCTCACTATTCTCAGGGCTACGGATGATCTTA
 TTAATGTGACTGGGCGCCTGTGGAATAAGCAGAAAATAATGGCCTGCATGCAAGGTGGG
 ATTATAGTGCAACAGAAGAAGGTATGAAAGAAGTATTGGAAAAATGAATCATGATCTCA
 AGGTTCCATGTAACCTTGTAGTGAACAGCTGCTTGTATGATCCTAGCAAGCCACAGACAC
 AAATGCAGCTGATTCATAGGATCAATCCTCAGACTACTGAATTTTGTGCCAACTTGGA
 TCATAGACATCAATGTTAGGCTTCAAGTCCAAGGAAGAATCATGTGTGTGGTGAAT
 ATGAAGAACAGGATGATGTGGAGAGTAATGACTCTGGAGAAGACCAGAGTGAATAATA
 CAGACACATCTGCTCTGTCTTCTATTAATCCAGATGAAATAATGTTAGATGAAGAAGAAG
 ATGAAGATAGTATTGTAAGTGCACATAGTGGCATGAATACACCATCGGTAGAACCCTCTG
 ATCAAGCTTCTGAGTTTTCTGCAAGTTTCTCTGATGTCAGGATCTTGCCAGGCTCTATGA
 TTGTATCTTCTGATGATACGGTGGATTCCACAATTGATAGAGAGGGGAAACCTGGTGGGA
 CTGTGGAGTCAGGAATGGAGAGGACTTAACCAAGGTGCCATTGAAGAGGCTGAGTGATG
 AACATGAACCTGAACAAAGAAAATAAAGAGGAGGAATCAAGCCATTTACGCTGCAG
 TGGATGATGATGATGATGATGCAGCTTAAGATGATTTACTTGTTTTGTTTTGTGTTTGT
 TTTGCTTTTTTGAGATGGAGTTTCACTCTTGTCACCTAGACTGGAGTGAATGGCGTGAT
 CTCGGCTCACCGCAACCTCCGCCTCCAGGTTCAAGCAATTCTCCTGCCTCAGCCTCCCA
 AGTAGGTGGGACTACAGGTGCCCCCACCACACCCGGCTAATTTTTGCATTTTTAGTAAT
 GACAGGGTTTACCATGTTGGCCAGGCTGGTCTCCAACCTCTGACCTCAGGCGATCCACC
 TGTCTTGGCCTTCTAAAGTGTGGGATTACAGGCGTGAGCCACTGTGCCTGGCCGACAAT
 TTACTTGTCTTAGTATTATGTAGATATGTGATTTTTTGGAGACTGTATTTTTAGAGCTG
 AATTTTTGACTAAAGACTTAACCTTATAATAATGAAGATACATTAGAGAATTTAGTTAG
 ATATTGACTTTATCTTCAGGCTTTTGTATGTTTCAGATGCAAACATATTAAGTTTCATA
 TATTTACTTGACTGGGTATCTTTTTTTTTTGAAGACATACATTATCACTTCCATTTTTA
 CAATAAACACTTACTTAACATCTACTCTGTGCCAAGCACTCTGCTATAATATGGGACCAT
 AAAGATGAGTAAGACAAGGATTTTTGCCTCCAAGGACTTGTTATCACTGTAACATTTTTG
 ATGTATACAATATGGCTATATTATTTTTGTTTTATAAAATCAAGTCATTGTATATATTA
 TGATGATGCTTTCTTTTCACTTATTATAAATTTTTCTGATCAGCTTTTAATATCTG
 TCAAATAAAAAATTGAAATGAAGATGGTATATAAGATTTCAAGAAATAAACTACTCTGAA
 TACTAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: NotI-NotI
ACCN: NM_016216
Insert Size: 2700 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:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_016216.2.
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_016216.2</u> , <u>NP_057300.2</u>
RefSeq Size:	2667 bp
RefSeq ORF:	1635 bp
Locus ID:	51163
UniProt ID:	<u>Q9UK59</u>
Cytogenetics:	3q22.3
Domains:	Metallophos, DBR1
Gene Summary:	The protein encoded by this gene is an RNA lariat debranching enzyme that hydrolyzes 2'-5' prime branched phosphodiester bonds. The encoded protein specifically targets the bonds at the branch point of excised lariat intron RNA, converting them to linear molecules that are then degraded. This protein may also be involved in retroviral replication. [provided by RefSeq, Nov 2011]