

Product datasheet for RC232465

EDA2R (NM_001242310) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDA2R (NM_001242310) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EDA2R
Synonyms:	EDA-A2R; EDAA2R; TNFRSF27; XEDAR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232465 representing NM_001242310 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATTGCCAAGAAAATGAGTACTGGACCAATGGGGACGGTGTGTACCTGCCAACGGTGTGGTCTCG
GACAGGAGCTATCCAAGGATTGTGGTTATGGAGAGGGTGGAGATGCCTACTGCACAGCCTGCCCTCCTCG
CAGGTACAAAAGCAGCTGGGGCCACCACAGATGTCAGAGTTGCATCACCTGTGCTGCATCAATCGTGTT
CAGAAGGTCAACTGCACAGCTACCTCTAATGCTGTCTGTGGGGACTGTTTGCCCAGGTTCTACCGAAAGA
CACGCATTGGAGGCCTGCAGGACCAAGAGTGCATCCCCTGCACGAAGCAGACCCCACTCTGAGGTTCA
ATGTGCCTTCCAGTTGAGCTTAGTGGAGGCAGATGCACCCACAGTGCCCCCTCAGGAGGCCACACTTGT
GCACTGGTGGAGCAGCCTGCTAGTGGTGTTCACCTGGCCCTTCTGGGGCTCTTCTCCTCTACTGCAAGC
AGTTCTTCAACAGACATTGCCAGCGTGAGAAATGATTATTTCTCTGATCCAGTACCAGTAGCCTCAA
TCTGATACCTGAATTTGCAGGAGGTTTGTCTGCAGTTTGGGCTGATAAAACAGCAAGGAGGAATCTCTC
TTCCCCGTGCCACCCAGCAAGGAGACCAGTGTGAGTCCCAAGTGAAGTGAACAATCTTTCAGACCCAGC
CACTTAACCTATCCTCGAGGACGACTGCAGCTCGACTAGTGGCTTCCCCACACAGGAGTCTTTACCAT
GGCCTCCTGCACCTCAGAGAGCCACTCCCACTGGGTCCACAGCCCATCGAATGCACAGAGCTGGACCTG
CAAAAGTTTTCCAGCTCTGCCTCTATACTGGAGCTGAGACCTTGGGGGAAACACAGTCAAAGCACTG
GAGACAGGCTGGAGCTCAATGTGCCCTTGAAGTCCCAGCCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232465 representing NM_001242310
Red=Cloning site Green=Tags(s)

MDCQENEYWDQWGRVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGHHCQSCITCAVINRV
 QKVNCTATSNVCGDCLPRFYRKTRIGGLQDQECIPCTKQTPTEVQCAFQLSLVEADAPTVPPEATLV
 ALVSSLLVVFLLAFLGLFFLYCKQFFNRHCQREKLIIFSDPVPASLNLIPFAGLLQFEADKTAKEESL
 FPVPPSKETSAESQVSENIFFQTQPLNPILEDCCSSTSGFPTQESFTMASCTSESHSHVHSPICEITDL
 QKFSSASYYTGAETLGGNTVESTGDRLELNVPFEVPS

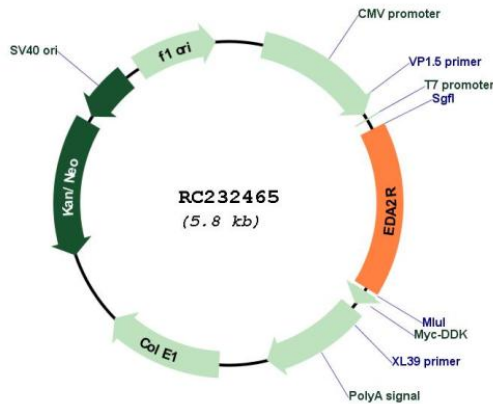
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001242310

ORF Size: 954 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>NM_001242310.1, NP_001229239.1</p>
RefSeq Size:	<p>3434 bp</p>
RefSeq ORF:	<p>957 bp</p>
Locus ID:	<p>60401</p>
UniProt ID:	<p>Q9HAV5</p>
Cytogenetics:	<p>Xq12</p>
Protein Families:	<p>Druggable Genome, Transcription Factors, Transmembrane</p>
Protein Pathways:	<p>Cytokine-cytokine receptor interaction</p>
MW:	<p>35.5 kDa</p>
Gene Summary:	<p>The protein encoded by this gene is a type III transmembrane protein of the TNFR (tumor necrosis factor receptor) superfamily, and contains cysteine-rich repeats and a single transmembrane domain. This protein binds to the EDA-A2 isoform of ectodysplasin, which plays an important role in maintenance of hair and teeth. Alternatively spliced transcript variants encodes distinct protein isoforms. [provided by RefSeq, Apr 2016]</p>