

Product datasheet for **RG210862**

EDAR (NM_022336) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDAR (NM_022336) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EDAR
Synonyms:	DL; ECTD10A; ECTD10B; ED1R; ED3; ED5; EDA-A1R; EDA1R; EDA3; HRM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG210862 representing NM_022336
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCATGTGGGGACTGCACGCAGACGCCCTGGCTCCCCGTCTGGTGGTGTCTCTGATGTGCTCAG
 CCCGAGCGGAATACTCAAACCTGCGGTGAGAACGAGTACTACAACCAGACTACGGGGCTGTGCCAGGAGTG
 CCCCCGTGTGGGCCGGGAGAGGAGCCCTACCTGTCTGTGGCTACGGCACCAAAGACGAGGACTACGGC
 TGGCTCCCTGCCCGCGGAGAAGTTTTCAAAGGAGGCTACCAGATATGCAGGCGTCACAAAGACTGTG
 AGGGCTTCTTCCGGGCCACCGTGTGACACCAGGGGACATGGAGAATGACGCTGAGTGTGCCCTTGCTT
 CCCTGGCTACTACATGCTGGAGAACAGACCAGGAACATCTATGGCATGGTCTGCTACTCCTGCCTCCTG
 GCACCCCCAACCAAGGAATGTGTGGGAGCCACTTCAGGAGCTTTCGCAACTTCCCTGGCACCTCGG
 GCAGCAGCACCTGTCTCCCTCCAGCACGCCACAAAGAAGCTCAGGCCAAGGACACCTGGCCACTGC
 CCTGATCATTGCAATGTCCACCATCTTCATCATGGCCATCGCCATCGTCTCATCATGTTCTACATC
 CTGAAGACAAAGCCCTCTGCCACGCTGTTGCACCAGCCACCCGGGGAAGAGCGTGGAGGCCAAAGTGA
 GCAAGGACGAGGAGAAGAAGAGGCCCCAGACAACGTGGTGTGTTCTCTGAGAAGGATGAATTTGAGAA
 GCTGACAGCAACTCCAGCAAAGCCACCAAGAGCGAGAACGATGCCTCATCCGAGAATGAGCAGCTGCTG
 AGCCGGAGCGTCGACAGTGTGAGGAGCCCGCCCTGACAAGCAGGGCTCCCCGGAGCTGTGCCTGCTGT
 CGCTGGTTCACCTGGCCAGGAGAAGTCTGCCACCAGCAACAAGTCAGCCGGGATTCAAAGCCGGAGGAA
 AAAGATCTCGATGTGTATGCCAACGTGTGTGGAGTCGTGGAAGGCTTTAGCCCCACGGAGCTGCCATTT
 GATTGTCTCGAGAAGACTAGCCGAATGCTCAGCTCCACGTACAACCTCTGAGAAGGCTGTTGTGAAAACGT
 GGCCGACCTCGCCGAGAGCTTCGGCTGAAGAGGGATGAGATTGGGGGCATGACAGACGGCATGCAACT
 CTTTGACCGCATCAGCACGGCAGGCTACAGCATCCCTGAGCTACTCACAAAAGTGGTGCAGATTGAGCGG
 CTGGATGCTGTGAGTCTTGTGTGCAGACATACTGGAGTGGGCGGGGTTGTGCCACCTGCCTCCAGC
 CACATGCTGCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG210862 representing NM_022336
 Red=Cloning site Green=Tags(s)

MAHVGDCQTWPVLPVLSVLMCSARAEYSNCGENEYYNQTTGLCQECPPCGPGEEPYLSCGYGDKDEDYD
 CVPCPAEKFSKGGYQICRRHKDCEGFFRATVLPDGMENDAECGPCLPGYYMLENRPRNIYGMVCYSCLL
 APPNTEKCVGATSGASANFPGTSGSSTLSPFQHAHKELSGQHLATALIAMSTIFIMAIIVLIIMFYI
 LKTKPSAPACCTSHPGKSVEAQVSKDEEKKEAPDNVVMFSEKDEFEKL TATPAKPTKSENDASSENEQLL
 SRSVSDSEEPAPDKQGSPELCLLSLVHLAREKSATSNKSAGIQSRRKKILDVYANVCGVVEGLSPELPLF
 DCLEKTSRMLSSTYNSEKAVVKTWRHLAESFGLKRDEIGGMTDGMQLFDRISTAGYSIPELLTKLVQIER
 LDAVESLCADILEWAGVPPASQPHAAS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_022336

ORF Size: 1344 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_022336.1](#), [NP_071731.1](#)

RefSeq Size: 4235 bp

RefSeq ORF: 1347 bp

Locus ID: 10913

UniProt ID: [Q9UNE0](#)

Cytogenetics: 2q13

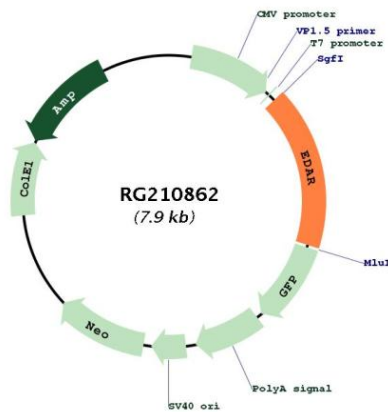
Domains: DEATH

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Gene Summary: This gene encodes a member of the tumor necrosis factor receptor family. The encoded transmembrane protein is a receptor for the soluble ligand ectodysplasin A, and can activate the nuclear factor-kappaB, JNK, and caspase-independent cell death pathways. It is required for the development of hair, teeth, and other ectodermal derivatives. Mutations in this gene result in autosomal dominant and recessive forms of hypohidrotic ectodermal dysplasia. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG210862