

Product datasheet for RC219198

EDARADD (NM_080738) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EDARADD (NM_080738) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: EDARADD
Synonyms: ECTD11A; ECTD11B; ED3; EDA3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC219198 representing NM_080738
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCACCGGACGACCCTCTGCGCGCAGATCATATGGTAAAGGAACCAAGTGGGAAGACACAGACCCTA
 GCACCTTTATCCTTTAATATGTCAGACAAATATCCATTCAAGATACGGAACCTCCCTAAAGCTGAAGAATG
 TGATACAATTACTTTGAACTGCCACGAAATTCAGATATGAAAAATCAGGGAGAAGAAAAATGGCTTTCCA
 GATAGCACTGGAGATCCTCTCCAGAGATCAGCAAGGACAACCTCTGCAAAGAAAATGTACTTGTCTCT
 CCTGCTTGCTCCGGGCCCCACCATAAGTGACTTGCTCAATGATCAGGACTTACTAGATGTGATCAGGAT
 AAAGCTGGATCCGTGTCACCCAACGGTGAAAACTGGAGGAATTTGCAAGCAAAATGGGGGATGTCCTAT
 GACGAATTGTGCTTCTGGAGCAGAGGCCACAGAGCCCCACCTTGGAGTCTTGCTCCGGAACAGTCAGA
 GGACGGTGGGCCAGCTGATGGAGCTCTGCAGGCTCTACCACAGGGCCGACGTGGAGAAGTTCTGCGCAG
 GTGGGTGGACGAGGAGTGGCCAAAGCGGGAGCGTGGAGACCCCTCCAGGCACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219198 representing NM_080738
 Red=Cloning site Green=Tags(s)

MASPDDPLRADHMVKEPVEDTDPSTL SFNMSDKYPIQDTELPKAEEDTITLNCPRNSDMKNQGEENGFP
 DSTGDPLPEISKDNSKENCTCSSLLRAPTISDLLNDQDLLDVIKLDPCPTVKNWRNFASKWGMSY
 DELCFLEQRPQSPTLEFLLRNSQRTVGQLMELCRLYHRADVEKVLRRWVDEEWPKRERGDPSRHF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

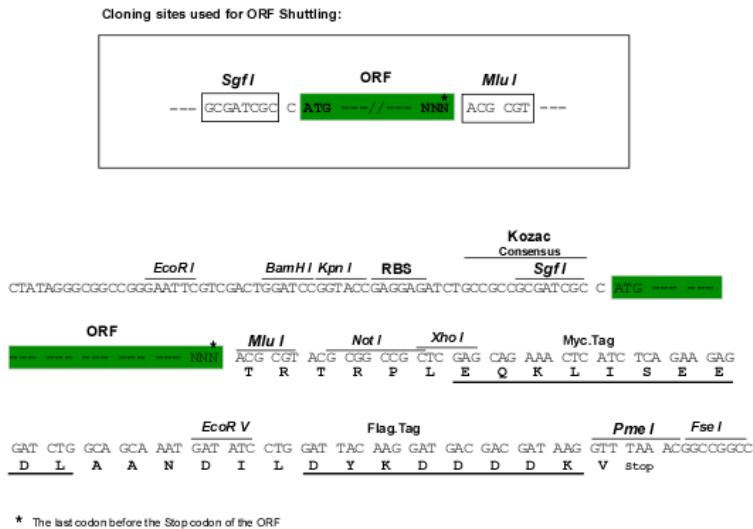


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Chromatograms: https://cdn.origene.com/chromatograms/mk6048_c11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_080738

ORF Size: 615 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_080738.4](#)

RefSeq Size: 2891 bp

RefSeq ORF: 618 bp

Locus ID: 128178

UniProt ID: [Q8WWZ3](#)

Cytogenetics: 1q42.3-q43

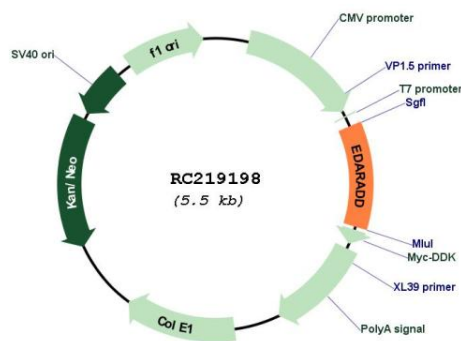
Domains: enolase

Protein Families: Druggable Genome

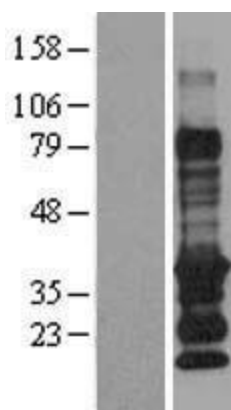
MW: 23.5 kDa

Gene Summary: This gene was identified by its association with ectodermal dysplasia, a genetic disorder characterized by defective development of hair, teeth, and eccrine sweat glands. The protein encoded by this gene is a death domain-containing protein, and is found to interact with EDAR, a death domain receptor known to be required for the development of hair, teeth and other ectodermal derivatives. This protein and EDAR are coexpressed in epithelial cells during the formation of hair follicles and teeth. Through its interaction with EDAR, this protein acts as an adaptor, and links the receptor to downstream signaling pathways. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

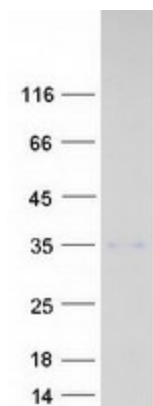
Product images:



Circular map for RC219198



Western blot validation of overexpression lysate (Cat# [LY403313]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219198 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EDARADD protein (Cat# [TP319198]). The protein was produced from HEK293T cells transfected with EDARADD cDNA clone (Cat# RC219198) using MegaTran 2.0 (Cat# [TT210002]).