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Product datasheet for RG219145

EDARADD (NM_145861) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	EDARADD
Synonyms:	ECTD11A; ECTD11B; ED3; EDA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG219145 representing NM_145861
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTATTCTCAAGATCCATGCCAGGGAGCTCTTTGACTCTCGTGGGAATCCCACTGTTGAGGTTGATC
TCTTCACCTCAGAAGGTCTCTTCAGAGCTGCTGTGCCCAGTGGTGCTTCAACTGGTATCTATGAGGTCCT
AGAGCTCCAGGACAATGATAAGACTCGCTATATGGGGAAGGGTGTCTCAAAGCCTGTTGAGCCCATCAAT
AAAACTATTGCACCTGTCCTGGTTAGCAAGAAACTGAACGTCACAGAACAAGAGAAGATTGACAAACTTA
TGATAGAGATGGATGGAACAGAAAATAAATCTAAATTTGGTGCAAATGCCATTCTGGGAGTGTCCCTCGC
TGCCTGCAAAGCTAGTGCTGTTGAGAAGGGGGTTCCCCTGTACCACCACATCGCCGACTTGTCTGGCAAC
TCCAAAGTCATCTTGCCAGTCCCGGTGTTCAATGTCATCAATGGCAGTTCTCATGCTGTCACCAAGCTGG
CCATGCAGGAGTTCATGGTCCTCCCAGTCGGTGCAGCAAACTTCAGGGAAGCCATGCCCATTGGAGCGGA
GGTTTACCACAGCCTGAAGAATGTCATCAAGGAGAAATATGGGAAAGATGCCACCGGTGTGGGGGATGGA
GGCGCGTTTGCTCCCAACATCCTGGAGAATAAAGAAGGCCTGGAGCTGCTGAAGACTGCGATTGGGAAAG
CTGGCTACACTGATAAGGTGATCGTCAGCATGGACGTAGAGGCCTCCGAGTTCTTCAGGTCTGGAAAGTA
TGACCTGGAATTCAAGTTTCTCGACGACCCCACCAGGTACATCTCACCTGACTGTCTGGCTGACCTGTAC
AAGTCCTTCATCAAAAACTACCCAGTGGTGTCTACTGAAGATCCCTTTGACCAGGATGACTGGGGAGCTT
GGCAGAAGTTCACGGCCAGTGCAGGAATCCAGGTAGTGGAGGATGATCTCAGAGTGACCAACCCAAAGAG
GACAGCCTCGGCCGTGAATGAGAAGAAGTGCAACTGCCTCCTGCTCAAAGTGAACCAGATTCGCTCTGTG
ACTGAGTCCCTTCAGGCGTGCAAGCTGGCCCAGGCCAATGGTTGGTGTGTCATGGTGCCTCATCATTCTG
GGGAGACTGAAAATACCTTCATCACTGACCTGGTGGTGGGGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

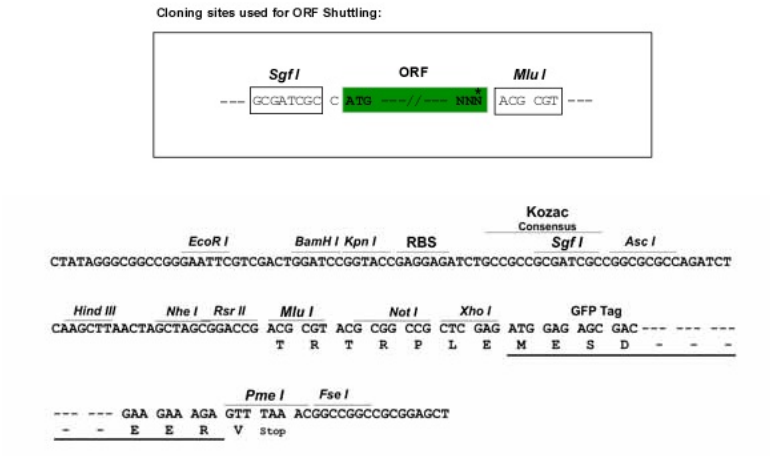
>RG219145 representing NM_145861
Red=Cloning site Green=Tags(s)

MSILKIHARELFDSRGNPTVEVDLFTSEGLFRAAVPSGASTGIYEVLELQDNDKTRYMGKGVSKPVEPIN
KTIAPVLVSKKLNVTEQEKIDKLMIEMDGTENKSKFGANAILGVSLAACKASAVEKGVPLYHHIADLSGN
SKVILPVPVFNVINGSSHAVTKLAMQEFMVLPVGAANFREAMPIGAEVYHSLKNVIKEKYGKDATGVGDG
GAFAPNILENKEGLELLKTAIGKAGYTDKVIVSMDVEASEFFRSGKYDLEFKFLDDPTRYISPDCLADLY
KSFIKNYPVVSTEDPFDQDDWGAWQKFTASAGIQVVEDDLRVTNPKRTASAVNEKKCNCLLLKVNQIRSV
TESLQACKLAQANGWCVMVPHHSGETENTFITDLVVGL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145861

ORF Size: 1164 bp

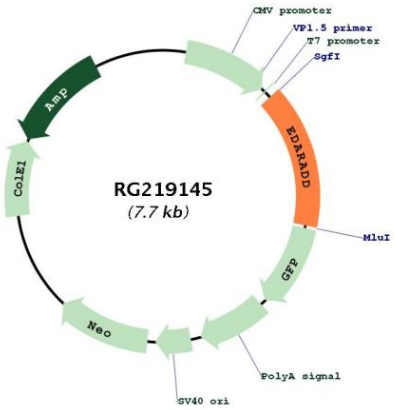
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_145861.1, NP_665860.1
RefSeq Size:	2772 bp
RefSeq ORF:	648 bp
Locus ID:	128178
UniProt ID:	Q8WWZ3
Cytogenetics:	1q42.3-q43
Domains:	enolase
Protein Families:	Druggable Genome
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 RG219145