

Product datasheet for **SC100650**

EDARADD (NM_145861) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDARADD (NM_145861) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDARADD
Synonyms:	ECTD11A; ECTD11B; ED3; EDA3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_145861 edited
GAATTCGGCACGAGGCCAGAGAGCTTTTCATCTAGAAGGTTTGACTCTGGCCAGACAACC
AGCGAGCATCTTCTCGCAATCTGTTGCTTCTCCATGGCAAACCTCCAGAGAATTAAGAAG
CCAAACTCAACATCGCCATGGGCTCAGGACGACTAAACAGATAGGGAGAGGCCTAAAG
CTCCTGGTCACCAAGAGGATCATATGGTAAAGGAACCAGTGAAGACACAGACCCCTAGCA
CTTTATCCTTTAATATGTCAGACAAATATCCCATTCAAGATACGGAACTCCCTAAAGCTG
AAGAATGTGATACAATTAATTTGAAGTGGCCACGAAATTCAGATATGAAAAATCAGGGAG
AAGAAAAATGGCTTTCAGATAGCACTGGAGATCCTTCCAGAGATCAGCAAGGACAACCT
CCTGCAAAGAAAAGTGTACTTGTCTCCTGCTTGTCCGGGCCCCACCATAAGTGACT
TGCTCAATGATCAGGACTTACTAGACGTGATCAGGATAAAGCTGGATCCGTGTCACCCAA
CGGTGAAAAACTGGAGGAATTTTGAAGCAAAATGGGGGATGTCCTATGACGAATTGTGCT
TCCTGGAGCAGAGGCCACAGAGCCACCTTGGAGTCTTGTCCGGAACAGTCAGAGGA
CGGTGGGCCAGCTGATGGAGCTCTGCAGGCTTACCACAGGGCCGACGTGGAGAAGGTTT
TGCGCAGGTGGGTGGACGAGGAGTGGCCAAGCGGGAGCGTGGAGACCCCTCCAGGCACT
TCTAGAGCTCTTCTTCTCCTTATTGGCTCTCCGGATGTTGAAACAACCACAGGTCAA
GAAGGAATGTGAATCTGTTGTTTTATAAGAGTTTAGGACAAGGACGTGGAACAGTGGACA
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TAGCCCCAGACATACCCACAGCATTATATGTAACATCTCTCCTGATCAGTGCCATTCCCA
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TCTCTCCTAGGCAATGAGACCCAGTGGCTAGAAATTCACCATGTCTATTCTCAAGATCCA
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GCCCATCAATAAAACTATTGCACCTGCTCCTGGTTAGCAAGAAAAGTGAACGTCACAGAACA
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CACCAGGTACATCTCACCTGACTGTCTGGCTGACCTGTACAAGTCTTTCATCAAAAATA
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TCGCTCTGTGACTGAGTCCCTCAGGCGTGCAAGCTGGCCAGGCAATGGTTGGTGTGT
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GCTGTGACCTGGGAGCTCAAGACTGGTGGCCCTTGTGATCTGAGCGCTTGGCCAAGTA
CAACCAGTCTCTCAGAATTGAAGAGGAGCTGGGCAAGGCTAAGTTTGCCGGCAGGAA
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CTAATTAGACCCCTCCCTTGTGTCAACTCCGGCAGCTCAAGACCCCGAGCAACATTTG
TAGGGGCCGCTGTAGTTAGCTACCCTTGGCCACCGCCGTGGAGTTCGCACCTTCTCCTT
AGAACTTCTACAGAAGCAGGTTGCAGTGAGCCGAGATTGCGCCACTGCACACCAGTCTGG
AGACAGAGTGAGAGTCCGTCAGAAAAAAGAAAAAAGAAAAAAGTCCGAC
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145861 unedited NGGGTTTTCAAATTTGTATACTATCACTATAGGCGGCCGGAATTCGCACGAGGCCCAGAGACTTTTCATCTANAAGTTTGACTCTGGCCAGACAACCAGCGAGCATCTTCTCGCAATCTGTTGCTTCTCCATGGCAAACCTCCAGAGAATTAAGAAGCCAAACTCAACATCGCCATGGGCCTCAGGACGACTAAACAGATAGGAGAGGCACTAAAGCTCCTGGTCACCAAGAGGATCATATGGTAAAGGAACCAGTGAAGACACAGACCCTAGCACTTTATCCTTTAATATGTCAGACAAATATCCCATTCAAGATACGGAACCTCCCTAAAGCTGAAGAATGTGATACAATTACTTTGAACTGCCACGAAATTCAGATATGAAAAATCAGGGAGAAGAAAAATGGCTTTCAGATAGCACTGGAGATCCTCTCCAGAGATCAGCAAGGACAACCTCTGCAAAGAAAACTGTACTTGTTCCTCCTGCTTGCCTCCGGGCCCCACCATAAGTGACTTGCTCAATGATCAGGACTTACTAGACGTGATCAGGATAAAGCTGGATCCGTGTACCCAACGGTGAAAACTGGAGGAATTTTGCAAGCCAAATGGGGATGTCCTATGACGAATTGTGCTTCTGGAGCAGAGGCCACAGACCCACCTTGAGTTCTTGCTCCGGAACAGTCAGAGGACGGTGGCCAGCTGATGGAGCTCTGACGGCTCTACCACAGGNCAGCTGGAGAAGTTCTGCGCANGTGGGTGGACCAAGGAGTGGCCCAAGCGGGAGCGTGGAGACCCCTNCAGGCCTTCTAGAGCTTCTTTCTCTTCTTCATTGGCCTCTNCGGATGTGAAACACCACAGGTCAAGAAGAATGTGAATCT
Restriction Sites:	NotI-NotI
ACCN:	NM_145861
Insert Size:	2850 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).
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:	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]

Transcript Variant: This variant (A) encodes a longer isoform (A). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.