

Product datasheet for **SC120378**

EDARADD (NM_080738) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDARADD (NM_080738) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDARADD
Synonyms:	ECTD11A; ECTD11B; ED3; EDA3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120378 sequence for NM_080738 edited (data generated by NextGen Sequencing) ATGGCTTCACCGGACGACCCTCTGCGCGCAGATCATATGGTAAAGGAACCAGTGGGAAGAC ACAGACCCTAGCACTTTATCCTTTAATATGTCAGACAAATATCCCATTCAGATACGGAA CTCCCTAAAGCTGAAGAATGTGATACAATTACTTTGAACTGCCACGAAATTCAGATATG AAAAATCAGGGAGAAGAAAATGGCTTTCCAGATAGCACTGGAGATCCTCTTCCAGAGATC AGCAAGGACAACCTCTGCAAAGAAAAGTACTTGTTCCTCTGCTTCCGGGCCCC ACCATAAGTGACTTGCTCAATGATCAGGACTTACTAGATGTGATCAGGATAAAGCTGGAT CCGTGTCACCCAACGGTGAAAACTGGAGGAATTTGCAAGCAAATGGGGGATGTCCTAT GACGAATTGTGCTTCTGGAGCAGAGGCCACAGAGCCCCACCTTGGAGTTCTTGCTCCGG AACAGTCAGAGGACGGTGGGCCAGCTGATGGAGCTCTGCAGGCTTACCACAGGGCCGAC GTGGAGAAGTTCTGCGCAGGTGGGTGGACGAGGAGTGGCCCAAGCGGGAGCGTGGAGAC CCCTCCAGGCACTTCTAG Clone variation with respect to NM_080738.3 339 c=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_080738 unedited
 TAGGCGGCCGCGACATCGGCACGACCCGGGACACTCGGGGCCCGCCTTTCGTCCCAGCC
 CCGGGTCGCGGCACCCCGGCTCCCGCCCGCGCCTCTGGAGGGAGGTACCCGAGGGACCG
 CGCAGCGAAGGGGCTTTGCTAATTGCCAAAGCAGGAAGTGAGCTCGTGGAAGAAGCGAAG
 GAGGAGAAGAAGAAAGGAGGGGAAGGCGGAGGAGGGCAGGGGCGCGCAGAGCCACGGTTT
 GCTCCAGGCGCGTCGGAACCCGAGGACTTTTCATCCCCGTGGTCCCACGGTCTCCCCGCG
 CCCCAGGAGGCTGCCAGCCCCGCTCGGACGCTCGTTTGCCCTAACCCGCGCCATGGCT
 TCACCGGACGACCTCTGCGCGCAGATCATATGGTAAAGGAACCAGTGGAAGACACAGAC
 CCTAGCACTTTATCCTTTAATATGTCAGACAAATATCCCATTCAAGATACGGAATCCCT
 AAAGCTGAAGAATGTGATACAATTACTTTGAACTGCCACGAAATTCAGATATGAAAAAT
 CAGGGAGAAGAAAATGGCTTTCCAGATAGCACTGGAGATCCTCTTCCAGAGATCANNGCA
 GGACACTCCTGNCAAGAACTGTACTNTGCTCCTCTGCTTTGCTCNGGCCCCACCATAA
 GTGACTTGCTCAATGATCANGACTTACTAGATGTGATCANGATAAAGCTGGATCCGTGTC
 ACCNCACGGTGAAAACTGGNAGAATTTTTGCAGCAATGGGGATGTCCTATGACGAATT
 GTGCTTCTGNAGCAGAGGCACAGACCCCACTGGGAGTTCTTTGCTCGACAATCANA
 GGACGGTGGCCAGCTGATGGAGCTCTGCAGGCTCTACACAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_080738 unedited
 NNNNNGGGTACATCTAAGNAACCGCGCCGAATCTAGNGATCGATTTTTTTTTTTTTTTT
 TTTTTCTGGGACGGACTCTCACTCTGTCTCCAGAAGTGGTGTGCAGTGGCGCAATCTCGG
 CTCACTGCAACCTGCTTCTGTAGAAGTTCTAAGGAAGAGGTGCGAACTCCACGGCGGTGG
 GCAAGGGTAGCTAACTAGCAGCGGCCCTACAAATGTTGCTCGGGGTCTTGAGCTGCCG
 GAGTTGACACAAGGGGAGGGTCTAATTAGCCACCAGGTGACTGAAGGGCTTGCCTGCC
 ACAGCTTACTTGGCTGGGGGTTTTCTGAAGTTCCTGCCGCAAACTTAGCCTTGCTGCC
 AGCTCCTCTTCAATTCTGAGGAGCTGGTTGACTTGGCCAAGCGCTCAGATCAGCAAGGG
 GCACAGTCTTGAGCTGCCAGGTACAGCCCCACCAGGTGATGATGAAGGTATTT
 TCAGTCTCCCCAGAATGATGAGGCACATGACACACCAACATTGGCCTGGGCCAGCTTG
 CACGCCTGAAGGGACTCAGTCACAGAGCGAATCTGGTTCACCTTTGAGCAGGAGGCAGTTG
 CACTTCTTCTCATTACGGCCGAGGCTGTCCTCTTTGGTTGGTCACTCTGAGATCATCC
 TCCACTACCTGGATTCTGCACTGGCCGTGAATCTGCCAAGCTCCCCAGTCATCCTGG
 TCAAAGGGATCTTCAGTAGACACCACTGGGTAGTTTTTGGATGAAGGACTGTACAGGTCA
 GCCAGACCGTCAGGTGAGATGTACCTGGTGGGGTTCGTCGAGAACTTGAATTCACAGTC
 ATACTTCCAGACCTGAAGAACTCGGAGGCCTCTACGTCCT

Restriction Sites:

NotI-NotI

ACCN:

NM_080738

Insert Size:

3500 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_080738.2 , NP_542776.1
RefSeq Size:	2891 bp
RefSeq ORF:	618 bp
Locus ID:	128178
UniProt ID:	Q8WWZ3
Cytogenetics:	1q42.3-q43
Domains:	enolase
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (B) differs in the 5' region compared to variant A. It encodes an isoform (B) that contains a distinct and shorter N-terminus, as compared to isoform (A).</p>