

Product datasheet for **SC112525**

EDAR (NM_022336) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDAR (NM_022336) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDAR
Synonyms:	DL; ECTD10A; ECTD10B; ED1R; ED3; ED5; EDA-A1R; EDA1R; EDA3; HRM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC112525 sequence for NM_022336 edited (data generated by NextGen Sequencing)

```

ATGGCCCATGTGGGGGACTGCACGCAGACGCCCTGGCTCCCCGTCTGGTGGTGTCTCTG
ATGTGCTCAGCCCAGCGGAATACTCAAACCTGCGGTGAGAACGAGCACTACAACCAGACT
ACGGGGCTGTGCCAGGAGTGCCCCCGTGTGGCCGGGAGAGGCCCTACCTGTCCTGT
GGCTACGGCACC AAAGACGAGGACTACGGCTGCGTCCCCTGCCCGGCGGAGAAGTTTTCC
AAAGAGGCTACCAGATATGCAGGCGTCACAAAGACTGTGAGGGCTTCTTCCGGGCCACC
GTGCTGACACCAGGGGACATGGAGAATGACGCTGAGTGTGGCCCTGCCTCCCTGGCTAC
TACATGCTGGAGAACAGACCCGAGGAACATCTATGGCATGGTCTGCTACTCCTGCCTCCTG
GCACCCCCAACACCAAGGAATGTGTGGGAGCCACTTCAGGAGCTTCTGCCAACTCCCT
GGCACCTCGGGCAGCAGCACCTGTCTCCCTTCCAGCACGCCACAAAGA ACTCTCAGGC
CAAGGACACCTGGCCACTGCCCTGATCATTGCAATGTCCACCATCTTCATCATGGCCATC
GCCATCGTCTCATCATGTTCTACATCCTGAAGACAAAGCCCTCTGCCCCAGCCTGT
TGCACCAGCCACCCGGGAAGAGCGTGGAGGCCAAGTGAGCAAGGACGAGGAGAAGAAA
GAGGCCCCAGACAACGTGGTGTGTTCTCTGAGAAGGATGAATTTGAGAAGCTGACAGCA
ACTCCAGCAAAGCCCACCAAGAGCGAGAACGATGCCTCATCCGAGAATGAGCAGCTGCTG
AGCCGGAGCGTCGACAGTGATGAGGAGCCCGCCCTGACAAGCAGGGCTCCCCGGAGCTG
TGCTGTGTGCTGTTTACCTGGCCAGGGAGAAGTCTGCCACCAGCAACAAGTCAGCC
GGGATTC AAAGCCGGAGGAAAAAGATCCTCGATGTGTATGCCAACGTGTGTGGAGTCGTG
GAAGGTCTTAGCCCCACGGAGCTGCCATTTGATTGTCTCGAGAAGACTAGCCGAATGCTC
AGCTCCACGTACAACCTCTGAGAAGGCTGTTGTGAAAACGTGGCGCCACCTCGCCGAGAGC
TTCGGCCTGAAGAGGGATGAGATTGGGGCATGACAGACGGCATGCAACTCTTTGACCGC
ATCAGCACGGCAGGCTACAGCATCCCTGAGCTACTCACAAA ACTGGTGCAGATTGAGCGG
CTGGATGCTGTGGAGTCCTTGTGTGCAGACATACTGGAGTGGGCGGGGGTGTGCCACCT
GCCTCCCAGCCACATGCTGCATCCTGA

```

Clone variation with respect to NM_022336.3
106 t=>c;750 c=>t;1056 c=>t

5' Read Nucleotide Sequence: >OriGene 5' read for NM_022336 unedited

```

CAAATTTGTATACGACTACTATAGGCGGCCGACGATTCGGCACGAGCCCCGGAAGCCCTT
TAAACGGAAAGGAAGCGGGGCTAGTGTGACAGAGGTTGTCAGGTCCCAGGCAGCCCTGC
TGGCCCCAAGGACATAGAGTACCTGCTTCTGAGAGGGCTGCCACGGTGGCCACCTGTGA
AGCCTGTACCCAGA ACTGGATGGTACCTGACTTTCTTATAGACCCATCTTCTGCTGGG
ACTGAAGCTGACCTCCAACAGAAGCCAGGTGAGCCCTTGGGAGAGGATGGCCCATGTGGG
GGAGTGCACGCAGACGCCCTGGCTCCCCGTCTGGTGGTGTCTCTGATGTGCTCAGCCCG
AGCGGAATACTCAAACCTGCGGTGAGAACGAGCACTACAACCAGACTACGGGGCTGTGCCA
GGAGTGCCCCCGTGTGGCCGGGAGAGGCCCTACCTGCTGTGGCTACGGCACCAA
AGACGAGGACTACGGCTGCGTCCCCTGCCCGGCGGAGAAGTTTTCCAAAGGAGGCTACCA
GATATGCAGGCGTCACAAAGACTGTGAGGGCTTCTCCGGGCCACCGTGTGACACCAGG
GGACATGGAGAATGACGCTGAGTGTGGCCCTTGCCTCCCTGGCTACTACATGCTGGAGAA
CAGACCGAGGAACATCTATGGCATGGTCTGCTACTCCTGCCTCCTGGCACCCCCAACAC
CAAGGAATGTGTGGGAGCCACTCAGGAGCTTCTGCCA ACTTCCCTGGCACCTCGGGCAG
CAGCACCTGTCTCCCTTCCAGCACGCCACAAAGA ACTCTCAGGCCAAGGACACCTGGG
CCACTGCCCTGATCATTGCATGTCCACCATCTTCATCATGGCCATCGNCATCGNCCTCA
TCATCATGTTCTACATCCTGAAGACAAAGCCTCTGCCACGCTGTGACAGNCCCCCGN
GNAGAGCGTGGAGG

```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_022336 unedited CCCCCACCTATTAGTTTGNACCGTCGGCCGCATNCTACGATGCGGTTTTTTTTTTTTTTTT TTTTAAATCTTATTAATATGTTTATTGACGATATAAAATATAATAAGTTATATATATAC AGAATTAGACAAAAATAATTGACAAGACTTCACTGTCTAAGGGCCACAGACCTACCCT GGGGTGTTTTCTAAATGTTTTAAAGTATTGCAGAATTATGAATATCTCCACAAAAATG GCAGGATGGAGTCCCAGCTTGGTCAGTGAGAATTATTATGATCTCATTGTTCTGAATCC CATAACATAGGCTAAAGCTTGTGACAGTAAATCCCATGTTTCCAATAAGTAAATGACAA GGAATTTGTAACTATATAAGGAATAGCTCCCTAAAAATGGCAGGTGGAGAGCCAATGGA ACATGAGCTGACACTGGCTGGCCTTACAGCCCCAGAATTCTAATAGTGTGAAATGAGGCC AAAGCACCAGGAGCAGAGAACAGCCACCCCACTTTTCGCTGAAAACATTCTGAGGAGGG TGCAAGCTGTTATCCTGGAATGGCACACTCATCACAAGTGACAGTTTGCAGTCTAATTA GGGGAGACTCACTCATCATCACAAGGCAGGGGAAAAGGGGGCACCACAGGATTTCA AAGAGGAAATAAAAGGATAATTAAGCTCTGCTGTGGAGATTTACCTGGCAGGGTAAAC CAAATAGGTTTTGAAAACAGCAGCAAACAGACACAGTAAATGATGATATTAATATTCAG GACCTCATTATGATCCTCTCACAGTATGACTACATTTTCNTGGNGGAAATGCTTTTTTTG GGTTTAAAGAAAACCTGATTTTTCCCTAAGATTTTTTTCATCATGCACCTGTAATTTT TACACCT
Restriction Sites:	NotI-NotI
ACCN:	NM_022336
Insert Size:	4700 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:	<u>NM_022336.1</u> , <u>NP_071731.1</u>
RefSeq Size:	4235 bp
RefSeq ORF:	1347 bp
Locus ID:	10913
UniProt ID:	<u>Q9UNE0</u>
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]