EDARADD cDNA Clone – EDAR-Associated Death Domain (Human)

PRODUCT OVERVIEW

Product Name	EDARADD, cDNA Clone
Full Product Name	EDARADD cDNA Clone
Product Gene Name	EDARADD cdna clone
Sequence	ATGGGCCTCA GGACGACTAA ACAGATAGGG AGAGGCACTA AAGCTCCTGG TCACCAAGAG GATCATATGG TAAAGGAACC AGTGGAAGAC ACAGACCCTA GCACTTTATC CTTTAATATG TCAGACAAAT ATCCCATTCA AGATACGGAA CTCCCTAAAG CTGAAGAATG TGATACAATT ACTTTGAACT GCCCACGAAA TTCAGATATG AAAAATCAGG GAGAAGAAAA TGGCTTTCCA GATAGCACTG GAGATCCTCT TCCAGAGATC AGCAAGGACA ACTCCTGCAA AGAAAACTGT ACTTGTTCCT CCTGCTTGCT CCGGGCCCCC ACCATAAGTG ACTTGCTCAA TGATCAGGAC TTACTAGATG TGATCAGGAT AAAGCTGGAT CCGTGTCACC CAACGGTGAA AAACTGGAGG AATTTTGCAA GCAAATGGGG GATGTCCTAT GACGAATTGT GCTTCCTGGA GCAGAGGCCA CAGAGCCCCA CCTTGGAGTT CTTGCTCCGG AACAGTCAGA GGACGGTGGG CCAGCTGATG GAGCTCTGCA GGCTCTACCA CAGGGCCGAC GTGGAGAAGG TTCTGCGCAG GTGGGTGGAC GAGGAGTGGC CCAAGCGGGA GCGTGGAGAC CCCTCCAGGC ACTTCTAG
Molecular Weight	23,690 Da
OMIM	606603
Vector	Please Inquire
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for EDARADD cdna clone	MBS1271302 is a cDNA clone targeting EDARADD.
Other Notes	Small volumes of EDARADD cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EDARADD. It may not necessarily be applicable to this product.

NCBI GI #	124504411
NCBI GeneID	128178
NCBI Accession #	BC128082
UniProt Secondary Accession #	Q5VYJ7; A2VCK5; A8K7B5; B1AL54; B9ZVW5
UniProt Related Accession #	Q8WWZ3
NCBI Official Full Name	Homo sapiens EDAR-associated death domain, mRNA
NCBI Official Synonym Full Names	EDAR associated death domain
NCBI Official Symbol	EDARADD
NCBI Official Synonym Symbols	ED3; EDA3; ECTD11A; ECTD11B
UniProt Protein Name	Ectodysplasin-A receptor-associated adapter protein
UniProt Synonym Protein Names	EDAR-associated death domain protein; Protein crinkled homolog
Protein Family	Ectodysplasin-A receptor-associated adapter protein

UniProt Gene Name	EDARADD
UniProt Entry Name	EDAD_HUMAN
NCBI Protein Information	ectodysplasin-A receptor-associated adapter protein
NCBI Summary for EDARADD	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]
UniProt Comments for EDARADD	EDARADD: Adapter protein that interacts with EDAR DEATH domain and couples the receptor to EDA signaling pathway during morphogenesis of ectodermal organs. Mediates the activation of NF- kappa-B. Defects in EDARADD are a cause of ectodermal dysplasia anhidrotic (EDA); also known ectodermal dysplasia hypohidrotic autosomal recessive (HED). Ectodermal dysplasia defines a heterogeneous group of disorders due to abnormal development of two or more ectodermal structures. EDA is characterized by sparse hair (atrichosis or hypotrichosis), abnormal or missing teeth and the inability to sweat due to the absence of sweat glands. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 1q42.3 Cellular Component: cytosol Molecular Function: protein binding Biological Process: tumor necrosis factor-mediated signaling pathway Disease: Ectodermal Dysplasia 10a, Hypohidrotic/hair/nail Type, Autosomal Dominant; Ectodermal Dysplasia 10b, Hypohidrotic/hair/tooth Type, Autosomal Recessive; Ectodermal Dysplasia 11a, Hypohidrotic/hair/tooth Type, Autosomal Dominant; Ectodermal Dysplasia 11b, Hypohidrotic/hair/tooth Type, Autosomal Recessive
Research Articles on EDARADD	**1.** The study data demonstrate an association between SNP rs3916983 of the EDARADD gene and non-syndromic hypodontia in Chinese Han individuals.
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