

Product datasheet for **MC208411**

Eda (NM_010099) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eda (NM_010099) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Eda
Synonyms:	Ed1; Eda-A1; Eda-A2; EDA1; HED; Ta; tabby; Tnl7c; XLHED
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208411 representing NM_010099 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGCTACCCAGAGGTAGAGCGCAGGGAACCCCTGCCTGCGGCAGCGCCAAGGGAGCGGGGCAGCCAGG
GCTGCGGCTGTCGCGGGGCCCTGCTCGGGCGGGCAAGGGAACAGCTGCCGGCTCTTCTGGGTTTCTT
TGGCCTCTCGTGGCCCTCCACCTGCTGACGCTGTGCTGCTACCTAGAGTTGCGGTCCGAATTGCGGCGG
GAACGGGAACCGAGTCCCGCTCGGTGGCCCGGGTGTCTCTGGCACCTCTGGCACCTAAGCAGCCCTG
GGAGCCTCGACCCGGTGGGTCCCATCACCCGCCACCTGGGGCAGCCGTCCTTTCAACAGCAGCCTTTGGA
ACCGGGAGAAGATCCACTCCCCCTGACTCCCAGGACCGGCACCGATGGCCCTCCTGAATTTCTTCTTT
CCTGATGAAAAGGCATATTCTGAAGAGGAAAGTAGGCGTGTTTCGCCGAATAAGAGAAGCAAAAGTGGTG
AAGGAGCAGATGGTCCTGTTAAAAACAAGAAAAGGGAAGAAGGCAGGGCCACCTGGGCCCAACGGCCC
CCCAGGACCTCCAGGACCTCCGGGACCCAGGGACCTCCAGGGATTCCAGGAATTCCTGGGATTCCAGGA
ACAACCTGTTATGGGACCACCTGGCCACCTGGCCCTCCTGGTCCTCAAGGACCCCTGGCCTCCAAGGAC
CTTCTGGTGCTGCTGATAAACTGGAACCTCGGGAATCAGCCAGCTGTGGTGCATCTGCAGGGCCAAGG
GTCAGCAATTCAAGTCAAAATGATCTTTCAGGTGGAGTGCTCAATGACTGGTCTCGCATCACTATGAAC
CCTAAGGTGTTTAACTACATCCCGCAGCGGGAGCTGGAGTACTGGTGGACGGCACCTACTTCATCT
ATAGTCAGGTAGAAGTCTACTACATCAACTTCACTGACTTTGCCAGCTACGAGGTGGTGGATGAGAA
GCCCTTCTGCAGTGACCCGCAGCATTGAGACAGGGAAGACCAACTACAACACTTGCTATACTGCAGGC
GTGTGCCTCCTCAAGGCCAGGCAGAAAATCGCCGTGAAGATGGTGCACGCTGACATCTCTATCAATATGA
GCAAGCACACCACCTTCTTCGGGGCCATCAGGCTGGGCGAAGCCCTGCATCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja2282_e07.zip
Restriction Sites:	Sgfl-MluI
ACCN:	NM_010099
Insert Size:	1176 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_010099.2 , NP_034229.1
RefSeq Size:	4955 bp
RefSeq ORF:	1176 bp
Locus ID:	13607
UniProt ID:	O54693
Cytogenetics:	X 43.59 cM

Gene Summary:

Cytokine which is involved in epithelial-mesenchymal signaling during morphogenesis of ectodermal organs. Functions as a ligand activating the DEATH-domain containing receptors EDAR and EDA2R. Isoform TAA binds only to the receptor EDAR, while isoform TA-A2 binds exclusively to the receptor EDA2R (By similarity). May also play a role in cell adhesion (PubMed:10534613).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.