

Product datasheet for MR224097

Eda (NM_010099) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Eda (NM_010099) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eda
Synonyms:	Ed1; Eda-A1; Eda-A2; EDA1; HED; Ta; tabby; Tnlg7c; XLHED
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224097 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTACCCAGAGGTAGAGCGCAGGGAACCCCTGCCTGCGGCAGCGCCAAGGGAGCGGGCAGCCAGG
GCTGCGGCTGTCGCGGGGCCCTGCTCGGGCGGGCAAGGGAACAGCTGCCGGCTCTTCTGGGTTTCTT
TGGCCTCGCTGGCCCTCCACCTGCTGACGCTGTGCTGCTACCTAGAGTTGCGGTCCGAATTGCGGCG
GAACGGGAACCGAGTCCCGCTCGGTGGCCCGGTGCTCCTGGCACCTCTGGCACCTAAGCAGCCCTG
GGAGCCTCGACCCGGTGGTCCCATCACCCGCCACCTGGGGCAGCCGTCCTTTCAACAGCAGCCTTTGGA
ACCGGGAGAAGATCCACTCCCCCTGACTCCAGGACCGGACACAGATGGCCCTCCTGAATTTCTTCTTT
CCTGATGAAAAGGCATATTCTGAAAGGAAAGTAGGCGTGTTTCGCCGAATAAGAGAAGCAAAAGTGGTG
AAGGAGCAGATGGTCTGTTAAAAACAAGAAAAGGAAAGAAGGAGGAGGACCCACCTGGGCCAACGGCCC
CCCAGGACCTCCAGGACCTCCGGGACCCAGGGACCTCCAGGGATTCCAGGAATTCCTGGGATTCCAGGA
ACAACCTGTTATGGGACCACCTGGCCACCTGGCCCTCCTGGTCTCAAGGACCCCTGGCCTCAAGGAC
CTTCTGGTGTGCTGATAAACTGGAACCTCGGAAAATCAGCCAGCTGTGGTGCATCTGCAGGGCCAAGG
GTCAGCAATTCAAGTCAAAAATGATCTTTCAGGTGGAGTGCTCAATGACTGGTCTCGCATCACTATGAAC
CCTAAGGTGTTAAACTACATCCCGCAGCGGGAGCTGGAGGTACTGGTGGACGGCACCTACTTCATCT
ATAGTCAGGTCTACTACATCAACTTCACTGACTTTGCCAGCTACGAGGTGGTGGATGAGAAGCCCTT
CCTGCAGTGCACCCGAGCATTGAGACAGGGAAGACCAACTACAACACTTGTATACTGCAGGCGTGTGC
CTCCTCAAGGCCAGGAGAAAATCGCCGTGAAGATGGTGCACGCTGACATCTCTATCAATATGAGCAAGC
ACACCACCTTCTCGGGGCCATCAGGCTGGGCGAAGCCCTGCATCC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224097 protein sequence
 Red=Cloning site Green=Tags(s)

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MGYPEVERREPLPAAAPRERGSQGCGRGAPARAGEGNSCRLFLGFFGLSLALHLLTLCYLELRSELRR
ERGTESRLGGPGAPGTSGLTSSPGSLDPVGPITRHLGQPSFQQPLEPGEDPLPPDSQDRHQMALLNFFF
PDEKAYSEEESSRRVRRNKRSKSGEGADGPVKNKKKGGKAGPPGPPGPPGPPGPPGPPGPPGPPGPPG
TTVMGPPGPPGPPGPPGPPGLQGPSGAADKTGTRENQPAVVHLQGQGS AIQVKNDLSGGVLNDSRITMN
PKVFKLHPRSGELEVLVDGTYFIYSQVYYINFTDFASYEVVVDEKPFLLQCTRISIETGKTNYNTCYTAGVC
LLKARQKIAVKMVHADISINMSKHHTFFGAIRLGEAPAS
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_010099

ORF Size: 1170 bp

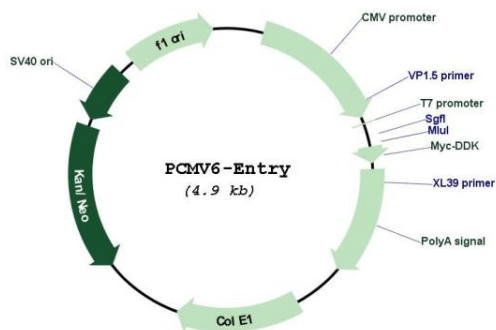
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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.

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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_010099.1</u> , <u>NM_010099.2</u> , <u>NP_034229.1</u>
RefSeq Size:	4955 bp
RefSeq ORF:	1176 bp
Locus ID:	13607
UniProt ID:	<u>O54693</u>
Cytogenetics:	X 43.59 cM
MW:	41.4 kDa
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]

Product images:



Circular map for MR224097