

Product datasheet for **MG224319**

Eda (NM_001177944) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eda (NM_001177944) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Eda
Synonyms: Ed1; Eda-A1; Eda-A2; EDA1; HED; Ta; tabby; Tnlg7c; XLHED
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224319 representing NM_001177944
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTACCCAGAGGTAGAGCGCAGGGAACCCCTGCCTGCGGCAGCGCCAAGGGAGCGGGCAGCCAGG
GCTGCGGCTGTCGCGGGGCCCTGCTCGGGCGGGCAAGGGAACAGCTGCCGGCTCTTCTGGGTTTCTT
TGGCCTCTCGTGGCCCTCCACCTGCTGACGCTGTGCTGCTACCTAGAGTTGCGGTCCGAATTGCGGCG
GAACGGGAACCGAGTCCCGCTCGGTGGCCCGGTGCTCCTGGCACCTCTGGCACCTAAGCAGCCCTG
GGAGCCTCGACCCGGTGGGTCCCATCACCCGCCACCTGGGGCAGCCGTCCTTTCAACAGCAGCCTTTGGA
ACCGGGAGAAGATCCACTCCCCCTGACTCCCAGGACCGGACCAGATGGCCCTCCTGAATTTCTTCTTT
CCTGATGAAAAGGCATATTCTGAAAGAGGAAAGTAGGCGTGTTTCGCCGAATAAGAGAAGCAAAAGTGGT
AAGGAGCAGATGGTCTGTTAAAAACAAGAAAAGGAAAGAGGAGGAGGACCTGGGCCAACGGCCC
CCCAGGACCTCCAGGACCTCCGGGACCCAGGGACCTCCAGGATTCCAGGAATTCCTGGGATTCCAGGA
ACAACCTGTTATGGGACCACCTGGCCACCTGGCCCTCCTGGTCTCAAGGACCCCTGGCCCTCAAGGAC
CTTCTGGTGTGCTGATAAACTGGAACTCGGGAAAATCAGCCAGCTGTGGTGCATCTGCAGGGCCAAGG
GTCAGCAATCAAGTCAAAAATGATCTTTCAGGTGGAGTGTCTCAATGACTGGTCTCGCATCACTATGAAC
CCTAAGGTGTTAAACTACATCCCGCAGCGGGAGCTGGAGTACTGGTGGACGCACCTACTTCATCT
ATAGTCAGACCTTGCTCCCTCCACTTTTGTCTTCTCCTGTCCTGGGCCATTCCCACAGGTCTGCCA
GTGGCCATTTCATTCATCCCTCATTGCGTGCCTCCATCGGGGCTCTCCTCAGAGCTACAAGTACATAGG
CCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224319 representing NM_001177944
Red=Cloning site Green=Tags(s)

MGYPEVERREPLPAAAPRERGSQGCGRGAPARAGEGNSCRLFLGFFGLSLALHLLTLCYLELRSELRR
 ERGTESRLGGPGAPGTSGLTSSPGSLDPVGPITRHLGQPSFQQPLEPGEDPLPPDSQDRHQMALLNFFF
 PDEKAYSEEESSRRVRRNKRKSKSGEGADGPVKNKKKGGKAGPPGPNPPGPPGPPGPPGPPGIPGIPGIPG
 TTVMGPPGPPGPPGPPGPPGLQGPSGAADKTGTRENQPAVVHLQGQGSAIQVKNDLSSGVLNDSRITMN
 PKVFKLHPRSGELEVELVDGTYFIYSQTLTPSTFVLLLSWAHSPQVCQWPFISIPHCVPPSGLSSELQVHR
 P

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001177944

ORF Size: 1053 bp

OTI Disclaimer: 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:

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_001177944.1](#), [NP_001171415.1](#)

RefSeq Size: 5088 bp

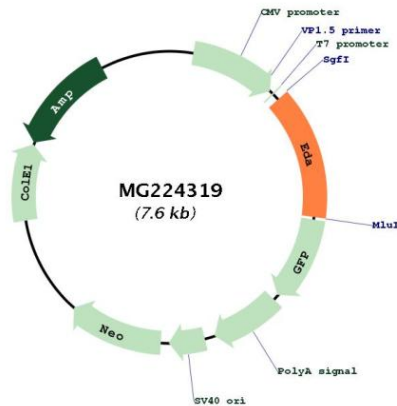
RefSeq ORF: 1056 bp

Locus ID: 13607

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]

Product images:



Circular map for MG224319