

## Product datasheet for **MG224299**

### Eda (NM\_001177938) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eda (NM\_001177938) 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:** >MG224299 representing NM\_001177938  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCTACCCAGAGGTAGAGCGCAGGGAACCCCTGCCTGCGGCAGCGCCAAGGGAGCGGGCAGCCAGG  
 GCTGCGGCTGTCGCGGGGCCCTGCTCGGGCGGGCAAGGGAACAGCTGCCGGCTCTTCTGGGTTTCTT  
 TGGCCTCGCTGGCCCTCCACCTGCTGACGCTGTGCTGCTACCTAGAGTTGCGGTCCGAATTGCGGCGG  
 GAACGGGAACCGAGTCCCGCTCGGTGGCCCGGTGCTCCTGGCACCTCTGGCACCTAAGCAGCCCTG  
 GGAGCCTCGACCCGGTGGGTCCCATCACCCGCCACCTGGGGCAGCCGTCCTTTCAACAGCAGCCTTTGGA  
 ACCGGGAGAAGATCCACTCCCCCTGACTCCCAGGACCGGACCAAGATGGCCCTCCTGAATTTCTTCTTT  
 CCTGATGAAAAGGCATATTCTGAAGAGGAAAGTAGGCGTGTTCCGCCAATAAGAGAAGCAAAAGTGGTG  
 AAGGAGCAGATGGTCTGTAAAAACAAGAAAAGGAAAGAAGGCAGGGCCACCTGGGCCAACGGCCC  
 CCCAGGACCTCCAGGACCTCCGGGACCCAGGGACCTCCAGGGATTCCAGGAATTCCTGGGATTCCAGGA  
 ACAACTGTTATGGGACCACCTGGCCACCTGGCCCTCCTGGTCTCAAGGACCCCTGGCCTCAAGGAC  
 CTTCTGGTGTGCTGATAAACTGGAACCTCGGAAAATCAGCCAGCTGTGGTGCATCTGCAGGGCCAAGG  
 GTCAGCAATTCAAGTCAAAAATGGTGGAGTGCTCAATGACTGGTCTCGCATCACTATGAACCCTAAGGTG  
 TTTAAACTACATCCCGCAGCGGGGAGCTGGAGTACTGGTGGACGGCACCTATCATATAGTCAGG  
 TAGAAGTCTACTACATCAACTTCACTGACTTTGCCAGCTACGAGGTGGTGGTGGATGAGAAAGCCCTTCT  
 GCAGTGCACCCGACGATTGAGACAGGGAAGACCAACTACAACACTTGCTATACTGCAGGCGTGTGCCTC  
 CTCAAGGCCAGGCAGAAAATCGCCGTGAAGATGGTGCACGCTGACATCTCTATCAATATGAGCAAGCACA  
 CCACCTTCTCGGGGCCATCAGGCTGGGCGAAGCCCTGCATCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG224299 representing NM\_001177938  
 Red=Cloning site Green=Tags(s)

MGYPEVERREPLPAAAPRERGSQGCGRGAPARAGEGNSCRLFLGFFGLSLALHLLTLCCYLELRSELRR  
 ERGTESRLGGPGAPGTSGLTSSPGSLDPVGPITRHLGQPSFQQPLEPGEDPLPPDSQDRHQMALLNFFF  
 PDEKAYSEEESSRRVRRNKRKSKSGEGADGPVKNKKKGGKAGPPGPNPPGPPGPPGPPGPPGIPGIPGIPG  
 TTVMGPPG  
 FKLHPRSGELEVLVDGTYFIYSQVEVYYINFTDFASYEVVVDEKPFLLQCTRSIETGKTNyntCYTAGVCL  
 LKARQKIAVKMVHADISINMSKHttFFGairlGEAPAS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001177938

**ORF Size:** 1164 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\\_001177938.1](#), [NP\\_001171409.1](#)

**RefSeq Size:** 4946 bp

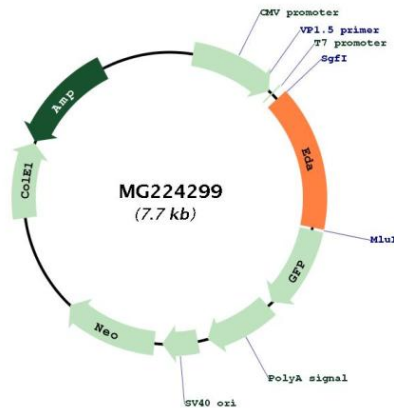
**RefSeq ORF:** 1167 bp

**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 MG224299