

## Product datasheet for **MG223496**

### Eda (NM\_001177943) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Eda (NM\_001177943) 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:** >MG223496 representing NM\_001177943  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCTACCCAGAGGTAGAGCGCAGGGAACCCCTGCCTGCGGCAGCGCCAAGGGAGCGGGCAGCCAGG  
 GCTGCGGCTGTCGCGGGGCCCTGCTCGGGCGGGCAAGGGAACAGCTGCCGGCTCTTCTGGGTTTCTT  
 TGGCCTCTCGTGGCCCTCCACCTGCTGACGCTGTGCTGCTACCTAGAGTTGCGGTCCGAATTGCGGCG  
 GAACGGGAACCGAGTCCCGCTCGGTGGCCCGGTGCTCCTGGCACCTCTGGCACCTAAGCAGCCCTG  
 GGAGCCTCGACCCGGTGGTCCCATCACCCGCCACCTGGGGCAGCCGTCCTTTCAACAGCAGCCTTTGGA  
 ACCGGGAGAAGATCCACTCCCCCTGACTCCCAGGACCGGACCAGATGGCCCTCCTGAATTTCTTCTTT  
 CCTGATGAAAAGGCATATTCTGAAAGAGGAAAGTAGGCGTGTTTCGCCGAATAAGAGAAGCAAAAGTGGT  
 AAGGAGCAGATGGTCTGTTAAAAACAAGAAAAGGAAAGAAGGCAGGGCCACCTGGGCCAACGGCCC  
 CCCAGGACCTCCAGGACCTCCGGGACCCAGGGACCTCCAGGGATTCCAGGAATTCCTGGGATCCAGGA  
 ACAACTGTTATGGGACCACCTGGCCACCTGGCCCTCCTGGTCTCAAGGACCCCTGGCCTCAAGGAC  
 CTTCTGGTGTCTGATAAACTGGAACTCGGGAAAATCAGCCAGCTGTGGTGCATCTGCAGGGCCAAGG  
 GTCAGCAATCAAGTCAAAAATGATCTTTCAGGTGGAGTGTCTCAATGACTGGTCTCGCATCACTATGAAC  
 CTAAGGTGTTAAACTACATCCCGCAGCGGGAGCTGGAGTACTGGTGGACGGCACCTACTTCATCT  
 ATAGTCAGACCTTGCTCCCTCCACTTTTGTCTTCTCCTGTCCTGGGCCATTCCCACAGGTCTGCCA  
 GTGGCCATTTCATTCATCCCTCATTGCGTGCCTCCATCGGGGCTCTCCTCAGAGCTACAAGTACATAGG  
 CCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG223496 representing NM\_001177943  
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MGYPEVERREPLPAAAPRERGSQGCRCGAPARAGEGNSCRLFGLFFGLSLALHLLTLCCYLELRSELRR  
 ERGTESRLGGPGAPGTSGLTSSPGSLDPVGPITRHLGQPSFQQPLEPGEDPLPPDSQDRHQMALLNFFF  
 PDEKAYSEEESSRRVRRNKRKSKSGEGADGPVKNKKKGGKAGPPGPNPPGPPGPPGPPGPPGIPGIPGIPG  
 TTVMGPPGPPGPPGPPGPPGLQGPSGAADKTGTRENQPAVVHLQGQGSIAIQVKNDLSSGVLNDSRITMN  
 PKVFKLHPRSGELEVELVDGTYFIYSQTLLPSTFVLLLSWAHSPQCQWPFISIPHCVPPSGLSSELQVHR  
 P

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001177943

**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\\_001177943.1](#), [NP\\_001171414.1](#)

**RefSeq Size:** 5105 bp

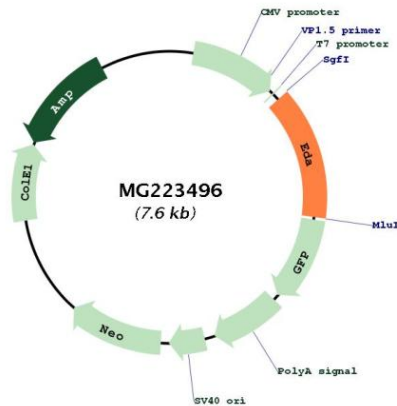
**RefSeq ORF:** 1056 bp

**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 MG223496