

Product datasheet for **MG225108**

Eda (NM_001177939) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eda (NM_001177939) 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: >MG225108 representing NM_001177939
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTACCCAGAGGTAGAGCGCAGGGAACCCCTGCCTGCGGCAGGCCAAGGGAGCGGGGAGCCAGG
 GCTGCGGCTGTCGCGGGGCCCTGCTCGGGCGGGCAAGGGAACAGCTGCCGGCTCTTCTGGGTTTCTT
 TGGCCTCGCTGGCCCTCCACCTGCTGACGCTGTGCTGCTACCTAGAGTTGCGGTCCGAATTGCGGCG
 GAACGGGAACCGAGTCCCGCTCGGTGGCCCGGGTCTCCTGGCACCTCTGGCACCTAAGCAGCCCTG
 GGAGCCTCGACCCGGTGGTCCCATCACCCGCCACCTGGGGCAGCCGTCCTTTCAACAGCAGCCTTTGGA
 ACCGGGAGAAGATCCACTCCCCCTGACTCCCAGGACCGGACCAGATGGCCCTCCTGAATTTCTTCTTT
 CCTGATGAAAAGGCATATTCTGAAGAGGAAAGTAGGCGTGTTCCGCCAATAAGAGAAGCAAAAGTGGTG
 AAGGAGCAGATGGTCTGTTAAAAACAAGAAAAGGAAAGAAGGCAGGGCCACCTGGGCCAACGGCCC
 CCCAGGACCTCCAGGACCTCCGGGACCCAGGGACCTCCAGGGATTCCAGGAATTCCTGGGATTCCAGGA
 ACAACTGTTATGGGACCACCTGGCCACCTGGCCCTCCTGGTCTCAAGGACCCCTGGCCTCAAGGAC
 CTTCTGGTGTGCTGATAAACTGGAACCTCGGAAAATCAGCCAGCTGTGGTGCATCTGCAGGGCCAAGG
 GTCAGCAATTCAAGTCAAAAATGGTGGAGTGCTCAATGACTGGTCTCGCATCACTATGAACCCTAAGGTG
 TTTAAACTACATCCCGCAGCGGGGAGCTGGAGTACTGGTGGACGGCACCTTCATCTATAGTCAGG
 TAGAAGTCTACTACATCAACTTCACTGACTTTGCCAGCTACGAGGTGGTGGTGGATGAGAAAGCCCTTCT
 GCAGTGCACCCGACGATTGAGACAGGGAAGACCAACTACAACACTTGCTATACTGCAGGCGTGTGCCTC
 CTCAAGGCCAGGCAGAAAATCGCCGTGAAGATGGTGCACGCTGACATCTCTATCAATATGAGCAAGCACA
 CCACCTTCTTCGGGGCCATCAGGCTGGGCGAAGCCCTGCATCC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225108 representing NM_001177939
 Red=Cloning site Green=Tags(s)

MGYPEVERREPLPAAAPRERGSQGCGRGAPARAGEGNSCRLFLGFFGLSLALHLLTLCCYLELRSELRR
 ERGTESRLGGPGAPGTSGLTSSPGSLDPVGPITRHLGQPSFQQPLEPGEDPLPPDSQDRHQMALLNFFF
 PDEKAYSEEESSRRVRRNKRKSKSGEGADGPVKNKKKGGKAGPPGPNPPGPPGPPGPPGPPGPPGIPGIPGIPG
 TTVMGPPG
 FKLHPRSGELEVLVDGTYFIYSQVEVYYINFTDFASYEVVVDEKPFLLQCTRSIETGKTNyntCYTAGVCL
 LKARQKIAVKMVHADISINMSKHHTFFGAIRLGEAPAS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001177939

ORF Size: 1158 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_001177939.1](#), [NP_001171410.1](#)

RefSeq Size: 4940 bp

RefSeq ORF: 1161 bp

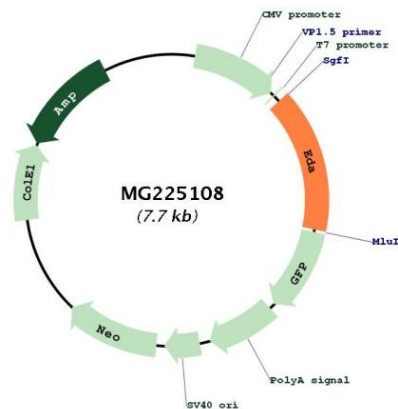
Locus ID: 13607

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]

Product images:



Circular map for MG225108