

Product datasheet for MC208419

Eda (NM_001177939) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Eda (NM_001177939) Mouse Untagged Clone
Tag: Tag Free
Symbol: Eda
Synonyms: Ed1; Eda-A1; Eda-A2; EDA1; HED; Ta; tabby; Tnlg7c; XLHED
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208419 representing NM_001177939
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTACCCAGAGGTAGAGCGCAGGGAACCCCTGCCTGCGGCAGCGCCAAGGGAGCGGGCAGCCAGG
 GCTGCGGCTGTCGCGGGCCCTGCTCGGGCGGGCAAGGGAACAGCTGCCGGCTCTTCTGGGTTTCTT
 TGGCCTCTCGCTGGCCCTCCACCTGCTGACGCTGTGCTGTACCTAGAGTTGCGGTCCGAATTGCGGCGG
 GAACGGGGAACCGAGTCCCGCCTCGGTGGCCCGGGTGTCTCTGGCACCTCTGGCACCTAAGCAGCCCTG
 GGAGCCTCGACCCGGTGGTCCCATCACCCGCCACCTGGGGCAGCCGTCCTTTCAACAGCAGCCTTTGGA
 ACCGGGAGAAGATCCACTCCCCCTGACTCCCAGGACCGGCACCAGATGGCCCTCCTGAATTTCTTCTTT
 CCTGATGAAAAGGCATATTCTGAAGAGGAAAGTAGGCGTGTTGCGCCGAATAAGAGAAGCAAAAGTGGTG
 AAGGAGCAGATGGTCTGTTAAAAACAAGAAAAGGAAAGAAGGCAGGGCCACCTGGGCCAACGGCCC
 CCCAGGACCTCCAGGACCTCCGGGACCCAGGGACCTCCAGGGATTCCAGGAATTCCTGGGATCCAGGA
 ACAACTGTTATGGGACCACCTGGCCACCTGGCCCTCTGGTCTCAAGGACCCCTGGCCTCCAAGGAC
 TTCTGGTGTGCTGATAAAACTGGAACCTCGGAAAATCAGCCAGCTGTGGTGCACTCTGCAGGGCCAAGG
 GTCAGCAATTCAGTCAAAAATGGTGGAGTGCTCAATGACTGGTCTCGCATCACTATGAACCCCTAAGGTG
 TTTAAACTACATCCCGCAGCGGGAGCTGGAGGTACTGGTGGACGGCACCTACTTCATCTATAGTCAGG
 TCTACTACATCAACTTCACTGACTTTGCCAGCTACGAGGTGGTGGTGGATGAGAAGCCCTTCTGCACTG
 CACCCGCAGCATTGAGACAGGGAAGACCAACTACAACACTTGCTATACTGCAGGCGTGTGCCCTCTCAAG
 GCCAGGCAGAAAATCGCCGTGAAGATGGTGCACGCTGACATCTCTATCAATATGAGCAAGCACACCACCT
 TCTTCGGGGCCATCAGGCTGGGCGAAGCCCTGCATCC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001177939
Insert Size:	1161 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001177939.1, NP_001171410.1</u>
RefSeq Size:	4940 bp
RefSeq ORF:	1161 bp
Locus ID:	13607
UniProt ID:	<u>O54693</u>
Cytogenetics:	X 43.59 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) lacks two in-frame small segments in the CDS, as compared to variant 1. The resulting isoform (4) lacks five internal aa, as compared to isoform 1.</p>