

Product datasheet for **RG207680**

EDA2R (NM_021783) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDA2R (NM_021783) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EDA2R
Synonyms:	EDA-A2R; EDAA2R; TNFRSF27; XEDAR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207680 representing NM_021783 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTGCCAAGAAAATGAGTACTGGGACCAATGGGGACGGTGTGTACCTGCCAACGGTGTGGTCTCG
GACAGGAGCTATCCAAGATTGTGGTTATGGAGAGGGTGGAGATGCCTACTGCACAGCCTGCCCTCCTCG
CAGGTACAAAAGCAGCTGGGGCCACCACAGATGTCAGAGTTGCATCACCTGTGCTGCATCAATCGTGT
CAGAAGGTCAACTGCACAGCTACCTCTAATGCTGTCTGTGGGACTGTTGCCAGGTTCTACCGAAAGA
CACGCATTGGAGGCTGCAGGACCAAGAGTGCATCCCGTGCACGAAGCAGACCCACCTCTGAGGTTCA
ATGTGCCTCCAGTTGAGCTTAGTGGAGGAGATGCACCCACAGTGCCCCCTCAGGAGGCCACACTTGT
GCACTGGTGGAGCAGCTGCTAGTGGTGTACCCTGGCCTTCTGGGGCTCTTCTCCTCTACTGCAAGC
AGTTCTTCAACAGACATTGCCAGCGTGGAGGTTTGTGTCAGTTTGGGCTGATAAAACAGCAAAGGAGGA
ATCTCTTCCCCGTGCCACCCAGCAAGGAGACCAGTGTGAGTCCCAAGTGAAGTGAACATCTTTCAG
ACCCAGCCACTTAACCCTATCCTCGAGGACGACTGCAGCTCGACTAGTGGCTTCCCACACAGGAGTCTT
TTACCATGGCCTCCTGCACCTCAGAGAGCCACTCCCACTGGGTCCACAGCCCCATCGAATGCACAGAGCT
GGACCTGCAAAAGTTTTCCAGCTCTGCCTCCTATACTGGAGCTGAGACCTTGGGGGAAACACAGTCGAA
AGCACTGGAGACAGGCTGGAGCTCAATGTGCCCTTGAAGTTCACAGCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207680 representing NM_021783
 Red=Cloning site Green=Tags(s)

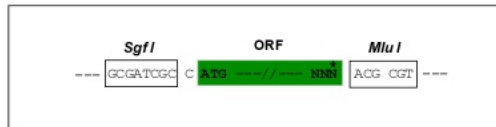
MDCQENEYWDQWGRVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGHHCQSCITCAVINRV
 QKVNCTATSNVCGDCLPRFYRKTRIGGLQDQECIPCTKQTPPTSEVQCAFQLSLVEADPTVPPQEATLV
 ALVSSLLVVFTLAFLGLFLLYCKQFFNRHCQRGGLLQFEADKTAKEESLFPVPPSKETSAESQVSENIHQ
 TQPLNPILEDDCSSTSGFPTQESFTMASCTSESHSHWHVHSPIECTELDLQKFSSASVTGAETLGGNTVE
 STGDRLELNVPFVPS

TRTRPLE - GFP Tag - V

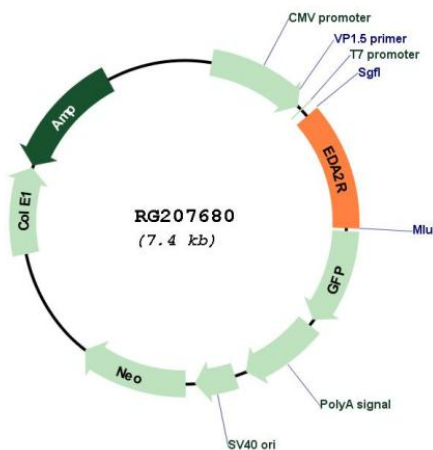
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_021783

ORF Size: 891 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:	<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:	NM_021783.4
RefSeq Size:	3385 bp
RefSeq ORF:	894 bp
Locus ID:	60401
UniProt ID:	Q9HAV5
Cytogenetics:	Xq12
Protein Families:	Druggable Genome, Transcription Factors, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction
Gene Summary:	The protein encoded by this gene is a type III transmembrane protein of the TNFR (tumor necrosis factor receptor) superfamily, and contains cysteine-rich repeats and a single transmembrane domain. This protein binds to the EDA-A2 isoform of ectodysplasin, which plays an important role in maintenance of hair and teeth. Alternatively spliced transcript variants encodes distinct protein isoforms. [provided by RefSeq, Apr 2016]