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Product datasheet for RG215573

EDA (NM_001005609) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EDA (NM_001005609) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EDA
Synonyms:	ECTD1; ED1; ED1-A1; ED1-A2; EDA-A1; EDA-A2; EDA1; EDA2; HED; HED1; ODT1; STHAGX1; TNLG7C; XHED; XLHED
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG215573 representing NM_001005609
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTACCCGGAGGTGGAGCGCAGGGAACTCCTGCCTGCAGCAGCGCCGCGGGAGCGAGGGAGCCAGG
GCTGCGGGTGTGGCGGGGCCCCTGCCCGGGCGGGCGAAGGGAACAGCTGCCTGCTCTTCCTGGGTTTCTT
TGGCCTCTCGCTGGCCCTCCACCTGCTGACGTTGTGCTGCTACCTAGAGTTGCGCTCGGAGTTGCGGCGG
GAACGTGGAGCCGAGTCCCGCCTTGGCGGCTCGGGCACCCCTGGCACCTCTGGCACCCTAAGCAGCCTCG
GTGGCCTCGACCCTGACAGCCCCATCACCAGTCACCTTGGGCAGCCGTCACCTAAGCAGCAGCCATTGGA
ACCGGGAGAAGCCGCACTCCACTCTGACTCCCAGGACGGGCACCAGATGGCCCTATTGAATTTCTTCTTC
CCTGATGAAAAGCCATACTCTGAAGAAGAAAGTAGGCGTGTTCGCCGCAATAAAAGAAGCAAAAGCAATG
AAGGAGCAGATGGCCCAGTTAAAAACAAGAAAAAGGGAAAGAAAGCAGGACCTCCTGGACCCAATGGCCC
TCCAGGACCCCCAGGACCTCCAGGACCCCAGGGACCCCCAGGAATTCCAGGGATTCCTGGAATTCCAGGA
ACAACTGTTATGGGACCACCTGGTCCTCCAGGTCCTCCTGGTCCTCAAGGACCCCCTGGCCTCCAGGGAC
CTTCTGGTGCTGCTGATAAAGCTGGAACTCGAGAAAACCAGCCAGCTGTGGTGCATCTACAGGGCCAAGG
GTCAGCAATTCAAGTCAAGAATGATCTTTCAGGTGGAGTGCTCAATGACTGGTCTCGCATCACTATGAAC
CCCAAGGTGTTTAAGCTACATCCCCGCAGCGGGGAGCTGGAGGTACTGGTGGACGGCACCTACTTCATCT
ATAGTCAGGTATACTACATCAACTTCACTGACTTTGCCAGCTATGAGGTGGTGGTGGATGAGAAGCCCTT
CCTGCAGTGCACACGCAGCATCGAGACGGGCAAGACCAACTACAACACTTGCTATACCGCAGGCGTCTGC
CTCCTCAAGGCCCGGCAGAAGATCGCCGTCAAGATGGTGCACGCTGACATCTCCATCAACATGAGCAAGC
ACACCACGTTCTTTGGGGCCATCAGGCTGGGTGAAGCCCCTGCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

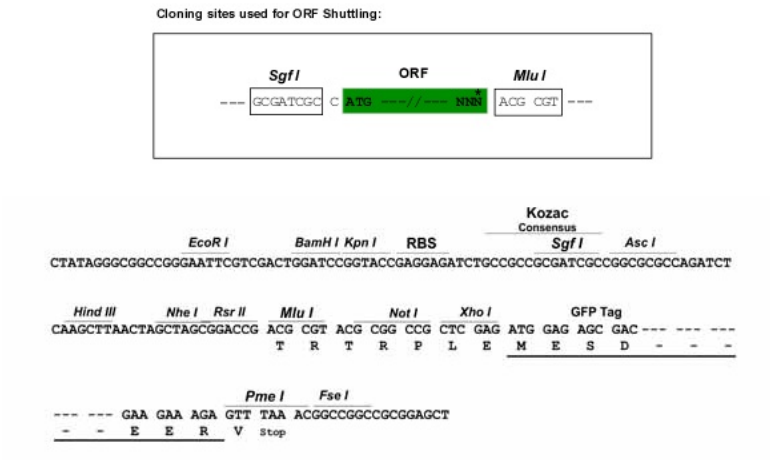
>RG215573 representing NM_001005609
Red=Cloning site Green=Tags(s)

MGYPEVERRELLPAAAPRERGSQGCGCGGAPARAGEGNSCLLFLGFFGLSLALHLLTLCCYLELRSELRR
ERGAESRLGGSGTPGTSGTLSSLGGLDPDSPITSHLGQPSPKQQPLEPGEAALHSDSQDGHQMALLNFFF
PDEKPYSEEESRRVRRNKRSKSNEGADGPVKNKKKGKKAGPPGPNGPPGPPGPPGPQGPPGIPGIPGIPG
TTVMGPPGPPGPPGPQGPPGLQGPSGAADKAGTRENQPAVVHLQGQGSAIQVKNDLSGGVLNDWSRITMN
PKVFKLHPRSGELEVLVDGTYFIYSQVYYINFTDFASYEVVVDEKPFLQCTRSIETGKTNYNTCYTAGVC
LLKARQKIAVKMVHADISINMSKHTTFFGAIRLGEAPAS

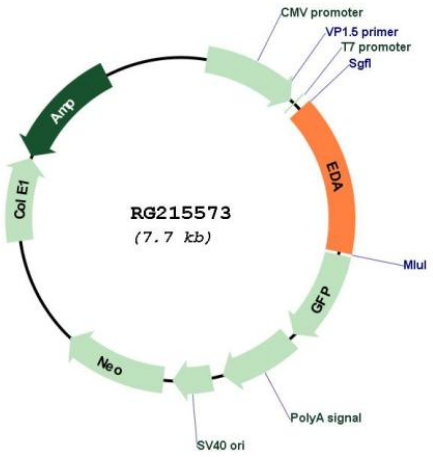
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001005609

ORF Size:	1167 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_001005609.2
RefSeq Size:	5290 bp
RefSeq ORF:	1170 bp
Locus ID:	1896
UniProt ID:	Q92838
Cytogenetics:	Xq13.1
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction
Gene Summary:	The protein encoded by this gene is a type II membrane protein that can be cleaved by furin to produce a secreted form. The encoded protein, which belongs to the tumor necrosis factor family, acts as a homotrimer and may be involved in cell-cell signaling during the development of ectodermal organs. Defects in this gene are a cause of ectodermal dysplasia, anhidrotic, which is also known as X-linked hypohidrotic ectodermal dysplasia. Several transcript variants encoding many different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]