

Product datasheet for **RG212938**

UBA5 (NM_198329) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBA5 (NM_198329) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: UBA5
Synonyms: DEE44; EIEE44; SCAR24; THIFP1; UBE1DC1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG212938 representing NM_198329
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCATTGAAACGAATGGGAATTGTAAGCGACTATGAGAAAATCCGTACCTTTGCCGTAGCAATAGTAG
GTGTTGGTGGAGTAGGTAGTGTGACTGCTGAAATGCTGACAAGATGTGGCATTGGTAAGTTGCTACTCTT
TGATTATGACAAGGTGGAAGTACCAATATGAATAGACTTTTCTCCAACCTCATCAAGCAGGATTAAGT
AAAGTTCAAGCAGCAGAACAATACTCTGAGGAACATTAATCCTGATGTTCTTTTTGAAGTACACAATA
ATATAACCACAGTGGAAAACCTTCAACATTTTCATGGATAGAATAAGTAATGGTGGTTAGAAGAAGGAAA
ACCTGTTGATCTAGTTCTTAGCTGTGGACAATTTTGAAGCTCGAATGACAATAAATACAGCTTGTAAAT
GAAGTTGACAAACATGGATGGAATCTGGGGTCAAGTAAATGCAGTTTCAGGGCATATACAGCTTATAA
TTCTGGGAAATCTGCTTGTGTTTGGTGTGCTCCACCCTTGTAGTTGCTGCAAAATATTGATGAAAAGAC
TCTGAAACGAGAAGGTGTTTGTGAGCCAGTCTTCTACCCTATGGGTGTGGTTGCTGGGATCTTAGTA
CAAAACGTGTTAAAGTTTCTGTTAAATTTGGTACTGTTAGTTTTACCTGGATACAATGCAATGCAGG
GGAATATAAGAAAAGGTAGCAGCACTGCCTAACAAGAGGTTATACAAGAAGAGGAAGAGATAATCCAT
GAAGATAATGAATGGGGTATTGAGCTGGTATCTGAGGTTTCAGAAGAGGAACTGAAAAATTTTTCCAGGTC
CAGTTCCAGACTTACCTGAAGGAATTACAGTGGCATAACAATTCCAAAAAGCAAGAAGATTCTGTAC
TGAGTTAACAGTGAAGATTCTGGTGAAGCTTGAAGACCTCATGGCCAAAATGAAGAATATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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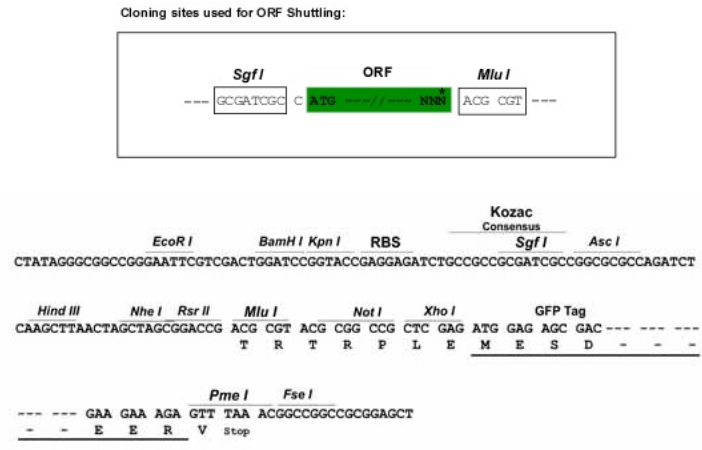
Protein Sequence: >RG212938 representing NM_198329
Red=Cloning site Green=Tags(s)

MALKRMGIVSDYEKIRTFVAIVGVGGVGSVTAEMLTRCGIGKLLLFDYDKVELANMNRFFQPHQAGLS
 KVQAAEHLRNINPDVLFVHNYNITTVENFQHFMDRISNGGLEEGKPVDLVLSVDNFEARMTINTACN
 ELGQTMESGVSENAVSGHIQLIIPGESACFACAPPLVVAANIDEKTLKREGVCAASLPTTMGVVAGILV
 QNVLKFLLNFGTVSFYLYGNAMQDFPPTMSMKPNPQCDDRNCRKQEEYKKKVAALPKQEVIQEEEEIIH
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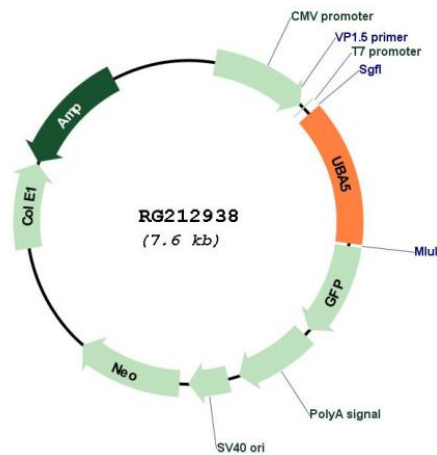
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_198329

ORF Size: 1044 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_198329.3
RefSeq Size:	3070 bp
RefSeq ORF:	1047 bp
Locus ID:	79876
UniProt ID:	Q9GZZ9
Cytogenetics:	3q22.1
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the E1-like ubiquitin-activating enzyme family. This protein activates ubiquitin-fold modifier 1, a ubiquitin-like post-translational modifier protein, via the formation of a high-energy thioester bond. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been identified on chromosome 1. [provided by RefSeq, Feb 2016]