

Product datasheet for **RG210190**

UBASH3A (NM_018961) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBASH3A (NM_018961) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBASH3A
Synonyms:	CLIP4; STS-2; TULA; TULA-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG210190 representing NM_018961
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCGGGGAGACGCAGCTCTACGCCAAGGTCTCCAACAAGCTCAAGGGCCGAGCAGCCCCCTCGC
 TCCTGGAGCCCCCTCGGCCATGGGCTTCCCGGTGCACACCGCGCTGAAAGCGTTGGCAGCCACGGGGAG
 GAAGACGGCGGAGGAGGCCTTGGCTGGCTGCATGATCATTGCAATGACCCTTCCCTAGACGACCCCATC
 CCCCAGGAGTATGCCCTTTCTCTGTCCAACGGGGCCCTGCTGGAAAACTTCAAGAGTTCTGGAGAG
 AGAGCAAGCGCCAGTGTCAAAGAACAGAGCTCATGAGGTCTTCCACACGTGACACTCTGTGACTTCTT
 CACGTGTGAAGACCAGAAGGTGGAATGCCTGTACGAGGCGCTGAAGAGAGCTGGAGACAGGCTCTGGGC
 TCCTTCCCACGGCCGTGCCTCTGGCTCTCCACTCTCCATCAGTACCTCGGCTTCTTCGTCAGTGGCA
 GCCCGCAGACGTCATCCGGGAATTCGCCATGACCTTCCGCACGGAAGCATCTCTTAGCAGGCACCTC
 CGTTTCCCGCTTCTGGATTTTCAGCCAGGTGCCGGACATGGCCCTAACCTGAGGCTGAGCAATTTAACT
 AGAGCCTCCTTCGTGAGCCACTACATCCTTCAAAAATACTGCTCCGTGAAGCCTTGCACCAAACAGCTGC
 ATCTGACCTTGGCCACAAAGTTCTACCCCCACCACAGAGGACGCTGGAGCAGCTGGCCAGAGCCATCCC
 CCTGGGCCACAGCTGCCAGTGGACCGCAGCACTTACTCCCGAGACATGCGCTTTGTGACTACCAGACC
 CTGAGAGTCCATTCCAGTACAAACCCAGAACGTGGATGAGCTGACGCTAAGTCTGGTGACTACATCT
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 TACACCTTCAGTCTAGCCACAGACCTGAACCTCAGAAAGGATGGTGAAGCCAGCAGCAGATGCAGCGGGG
 AATTTCTCCACAAACGGCAAGGAGTCTTAGCAGCTTACAGGCCCTTGCAGGCTACCGTTGCAAGGAAGAG
 TGTGCTGGTGGTTCGCCACGGGGAGAGAGTGGATCAGATCTTCGGGAAGGCATGGCTGCAGCAATGCTCC
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 TCAAAGACTTTGAAAACGATCCCCATTATCATCGTGTGGCATTTCAGTCCAGAATTGCAGGGGACGC
 GCTACTGGACAGTGGTATCAGAATCAGCTCTGTGTTGCCTCCCCAGCCCTCCGCTGTGTGCAGACGGCC
 AAACCTCATCCTGGAAGAACTCAAACCTGGAGAAAAAATCAAGATACGAGTGGAACTGGAATCTTTGAAT
 GGACAAAATGGGAAGCTGGCAAACACCCCAACCCTCATGAGCCTGGAAGAGCTGAAAGAGGCAAATTT
 CAACATTGACACTGATTACAGGCCCGCGTTTCCCTGTCCGCCCTCATGCCGGCCGAGAGCTACCAGGAG
 TACATGGACAGGTGCACGGCGAGCATGGTGCAAATCGTCAACACCTGTCCACAGGACACGGGTGTCATCC
 TAATTGTGAGTACGGCTCCACTCTGGACTCCTGCACGGCCACTGCTCGGGCTGCCGCCCCGGGAATG
 TGGGGATTTGCCAACTCGTGAGAAAATCCCTTCCCTGGGCATGTGCTTCTGTGAAGAAAATAAAGAG
 GAAGGAAAATGGGAGTTGGTGAACCCACCGGTGAAGACCTGACCACGGGGCGAACGCAGCATTAACT
 GGAGGAACTGGATCTCAGGCAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG210190 representing NM_018961
Red=Cloning site Green=Tags(s)

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MAAGETQLYAKVSNKLGKRSSPALLEPLLAMGFPVHTALKALAATGRKTAEEALAWLHDHCNDPSLDDPI
PQEYALFLCPTGPLLEKLQEFWRESKRQCAKNRAHEVFPHVTLCDFFTCEDQKVECLYEALKRAGDRLLG
SFPTAVPLALHSSISYLGFVSGSPADVIREFAMTFATEASLLAGTSVSRFWIFSQVPGHGPNLRLSNLT
RASVFVSHYILQKYCSVKPCTKQLHLTLAHKFYPHHQRTLEQLARAIPLGHSCQWT AALYSRDMRFVHYQT
LRVLFQYKPQNVDELTLSPGDYIFVDPTQQDEASEGWVIGISQRTGCRGFLPENYTDRASESDTWVKHRM
YTFSLATDLNSRKDGEASSRCSGEFLPQTARSLSSLQALQATVARKSVLVVRHGERVDQIFGKAWLQQCS
TPDGKYRPNLNFPCSLPRRSRGIKDFENDPPLSSCGIFQSRIAGDALLDSGIRISSVFASPALRCVQTA
KLILEELKLEKKIKIRVEPGIFEWTKWEAGKTTPTLMSLEELKEANFNIDTDYRPAFPLSALMPAESYQE
YMDRCTASMVQIVNTCPQDTGVILIVSHGSTLDSCTRPLLGLPPRECQDFAQLVRKIPSLGMCFCEENKE
EGKWELVNPPVKTLTHGANAAFNRNWIISGN
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018961

ORF Size: 1983 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_018961.2](#), [NP_061834.1](#)

RefSeq Size: 2492 bp

RefSeq ORF: 1986 bp

Locus ID: 53347

UniProt ID: [P57075](#)

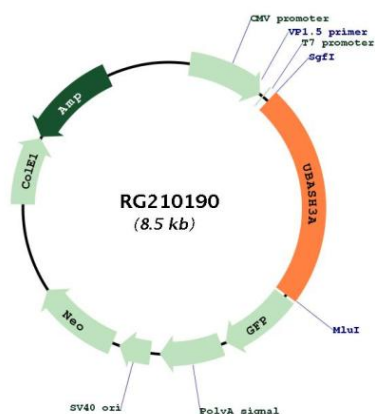
Cytogenetics: 21q22.3

Domains: UBA, PGAM, SH3

Protein Families: Druggable Genome

Gene Summary: This gene encodes one of two family members belonging to the T-cell ubiquitin ligand (TULA) family. Both family members can negatively regulate T-cell signaling. This family member can facilitate growth factor withdrawal-induced apoptosis in T cells, which may occur via its interaction with AIF, an apoptosis-inducing factor. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RG210190