

Product datasheet for **RG223095**

FBXO21 (NM_033624) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBXO21 (NM_033624) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FBXO21
Synonyms:	FBX21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG223095 representing NM_033624
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCGGCAGCAGTCGACAGCGCATGGAGGTGGTCCGGCGCTGGCGGAGGAGCCGCGCCGAGG
 TAGCGGGCCTCAGCTGCCTCGTCAACCTGCCGGTGAGGTGCTGGAGTACATCCTGTGCTCGGCTCGCT
 GACGGCCGCCGACATCGCCCGTGTCTCCAGCACCTGCCGGCGGCTGCGGAGCTGTGCCAGAGCAGCGGG
 AAGGTGTGAAGGAGCAGTTCGGGTGAGGTGGCCTTCCCTTATGAAACACTACAGCCCCACCGACTACG
 TCAATTGGTTGGAAGAGTATAAAGTTCGGCAAAAAGCTGGGTTAGAAGCGCGGAAGATTGTAGCCTCGTT
 CTCAAAGAGGTTCTTTTCAGAGCACGTTCTTGTAAATGGCTTCAGTGACATTGAGAACCTGAAGGACCA
 GAGATTTTTTTGAGGATGAAGTGGTGTATCCTAAATATGGAAGGAAGAAAAGCTTTGACCTGGAAAT
 ACTACGCAAAAAAATCTTTACTACCTCGGCAACAGAAGATCTTAAATATCTTAAGGCCTTTCTTCA
 GCAGCCAGATGACTATGAGTCGTATCTGAAGGTGCTGTATATATTGACCAGTACTGCAATCCTCTCTCC
 GACATCAGCCTCAAAGACATCCAGGCCAAATTGACAGCATCGTGGAGCTTGTTCGAAAAACCTTCGGG
 GCATAAACAGTCGCCACCCAGCTTGGCCTTCAAGGCAGGTGAATCATCCATGATAATGGAATAGAAGT
 CCAGAGCCAGGTGCTGGATGCCATGAACATGTCTTTACGACCAACTGAAGTTCAGGGGAATCGAATG
 GATTACTATAATGCCCTCAACTTATATATGCATCAGGTTTTGATTCGCAGAACAGGAATCCCAATCAGCA
 TGTCTCTGCTCTATTTGACAATTGCTCGGCAGTTGGGAGTCCCAGTGGAGCCTGTCAACTCCCAAGTCA
 CTTCTTATTAAGGTGGTCAAGGCGCAGAAGGGGCGACCCTGGACATCTTTGACTACATCTACATAGAT
 GCTTTTGGGAAAGGCAAGCAGCTGACAGTGAAGAATGCGAGTACTTGATCGCCAGCAGTGCAGTGCAG
 CACTGTATGGGTGGTCAATGTCAAGAAGGTGTTACAGAGAATGGTGGGAAACCTGTTAAGCCTGGGGAA
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 GACCAGGTGCAGCTTCTCCTCCTCAAGCCAGGCTTTACTTCCACCTGGGAATCTGGCCAGAGAAGTCTT
 TCTGTCTGTTTTGAAGGTGCTTACATCCTCCAGCACATCCAAACCCTAGACCCGGGCGAGCACGGGGC
 GGTGGGTACCTGGTGCAGCACACTCTAGAGCACATTGAGCGCAAAAAGGAGGAGGTGGGCGTAGAGGTG
 AAGCTGCGCTCCGATGAGAAGCACAGAGATGTCTGCTACTCCATCGGGCTCATTATGAAGCATAAGAGGT
 ATGGCTATAACTGTGTATCTACGGCTGGGACCCACCTGCATGATGGGACAGAGTGGATCCGGAACAT
 GAACGTCCACAGCCTGCCGACGGCCACCACAGCCTTTCTATAACGTGCTGGTGGAGGACGGCTCTGT
 CGATACGACGCCAAGAAAACCTGGAATATAACGTGGAGCCTCAAGAAATCTCACACCCTGACGTGGGAC
 GCTATTTCTCAGAGTTTACTGGCACTACTACATCCCAAACGCAGAGCTGGAGATCCGGTATCCAGAAGA
 TCTGGAGTTTGTCTATGAAACGGTGCAGAATTTTACAGTGCAAAAGAAAGAGAACATAGATGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG223095 representing NM_033624
 Red=Cloning site Green=Tags(s)

MAAAVDSAMEVVPALAEAAPEVAGLSCLVNLPGEVLEYILCCGSLTAADIGRVSSTCRRLRELCQSSG
 KVKWEQFRVRWPSLMKHYSPTDYVNWLEEKVRQKAGLEARKIVASFSCRFFSEHVPCNGFSDIENLEGP
 EIFFEDELVCILNMEGRKALTWKYAKKILYYLRQKILNKLKAFLLQPPDDYESYLEGAVYIDQYCNPLS
 DISLKDIIQAQIDSIVELVCKTLRGINSRHPSLAFKAGESMIMEIELQSQVLDAMNYVLVDLQKFKGNRM
 DYYNALNLYMHQVLIIRRTGPIISMLLYLTIARQLGVPLEPVNFP SHFLLRWCQGAEGATLDIFDYIYID
 AFGKQKQLTVKECEYLIGQHVTAAALYGVVNVKVLQRMVGNLLSLGKREGIDQSYQLLRDSDLYLAMY
 DQVQLLLQARLYFHLGIWPEKSFCLVVKVLDILQHIQTLDPGQHGAVGYLVQHTLEHIERKKEEVGVEV
 KLRSDKHRDVCYSIGLIMKHRYGYNCAIYGVWDPCTMMGHEWIRNMNVHSLPHGHHQPFYNVLEVDGSC
 RYAAQENLEYNVEPQEI SHPDVGRYFSEFTGTHYIPNAELEIRYPEDLEFVYETVQNIYSAKKENIDE

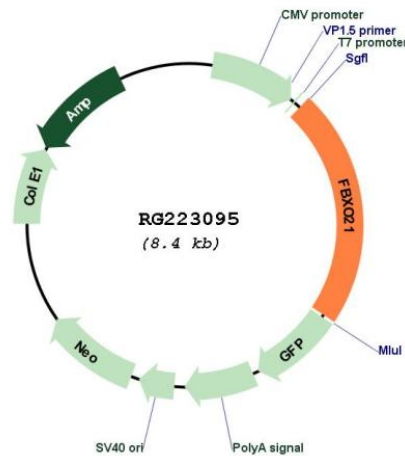
TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:


ACCN: NM_033624
 ORF Size: 1884 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_033624.3
RefSeq Size:	4248 bp
RefSeq ORF:	1887 bp
Locus ID:	23014
UniProt ID:	O94952
Cytogenetics:	12q24.22
Domains:	F-box
Gene Summary:	This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008]