

Product datasheet for **RG202484**

C16orf70 (NM_025187) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C16orf70 (NM_025187) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C16orf70
Synonyms:	C16orf6; lin-10; LIN10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202484 representing NM_025187 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGACCTGGAGGTAGTGCCCGAACGCTCTCTGGGGAACGAGCAATGGGAATTCACGCTGGGAATGC
CTCTGGCTCAGGCAGTAGCCATTCTTCAGAAGCACTGTGCGATCATCAAAAACGTCCAGGTTCTCTACAG
TGAACAGTCTCCTCTAAGCCATGACCTCATTCTTAACCTGACTCAGGACGGGATCAAATAATGTTGAT
GCTTTCAATCAGAGACTAAGGTGATCGAAGTATGTGATTTGACTAAAGTAAAGTAAAAATATTGTGGCG
TGCATTTTAATTCTCAGGCCATAGCTCCTACCATTGAACAGATTGACCAGTCTTTTGGCGCAACCCATCC
TGGAGTGTACAACCTCCGCTGAGCAGCTCTCCATCTCAACTTCAGAGGACTGTCTTTCTCTTTTCAGTTA
GACTCATGGACTGAGGCTCCAAAGTATGAGCCCAATTTTGCCCATGGCCTGGCTTCTCTCCAGATACCCC
ATGGAGCAACTGTAAAACGAATGTACATCTACAGTGGCAACAGCCTGCAGGATACCAAGGCTCCCATGAT
GCCTCTGAGCTGTTTCTGGGCAATGTCTATGCTGAGAGTGTAGATGTTCTTCGAGATGGAAGTGGACCT
GCAGGTTTACGACTTCGCTACTTGCTGCAGGTTGTGGACCTGGCCTATTAGCAGATGCCAAGATGCGGG
TATTTGAACGTTTCAGTGTATTTGGTGATTCTGCAAGATGTTCTTAGCATGCTGGCTCTCCACACAA
AGTCTTTATAAATCAGAAGACAAGATGAAAATTCATTCTCCTCCCTCATAAACAAGTCCATCGAAG
TGTAATGACTACTTTTTAACTACTTCACTCTTGGAGTGGACATCCTCTTTGATGCGAATACACACAAAG
TGAAGAAGTTTGTCTACACACCAATTACCCTGGCATTATAATTTCAACATTTATCATCGCTGTGAGTT
CAAGATCCCACTAGCCATAAAGAAAGAAAACGCAGATGGTGCAGACAGAAACATGCACGACCTACAGCAAG
TGGGACAACATCCAGGAGCTCCTGGGCCACCCTGTGGAGAAGCCTGTTGTCTGCACAGGTCTTCTCCC
CAAACAACACCAACCCATTTGGTTCCACATTCTGCTTTGGTCTTCAGCGAATGATCTTTGAGGTCATGCA
GAACAACACATTGCCTCGGTGACCCTGTATGGCCCCCAGGCCTGGTAGCCACCTGAGAACAGCGGAA
CTCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202484 representing NM_025187
Red=Cloning site Green=Tags(s)

MLDLEVVPERSLGNEQWEFTLGMPLAQAVAILQKHCRIIKNVQVLYSEQSPLSHDLILNLTQDGIKLMFD
 AFNQRLLKVIIEVCDLTKVKLKYCGVHFNSQAIAPTIEQIDQSFGATHPGVYNSAEQLFHLNFRGLSFSFQL
 DSWTEAPKYEPNFAHGLASLQIPHGATVKRMYIYSGNSLQDTKAPMMPLSCFLGNVYAESVDVLRDGTGP
 AGLRLRLLAAGCGPGLLADAKMRVFERSVYFGDSCQDVL SMLGSPHKVFYKSEDKMKIHSPSPHKQVPSK
 CNDYFFNYFTLGV DILFDANTHKVKKFVLHTNYPGHYFNFIYHRCEFKIPLAIKKENADGQTETCTTYSK
 WDNIQELLGHPVEKPVVLRSSSPNNTNPFGSTFCFGLQRMIFEVMQNNHIASVTLYGPPRPGSHLRTAE
 LP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_025187

ORF Size: 1266 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_025187.5](#)

RefSeq Size: 2943 bp

RefSeq ORF: 1269 bp

Locus ID: 80262

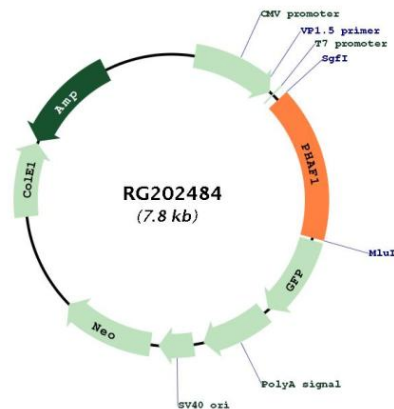
UniProt ID: [Q9BSU1](#)

Cytogenetics: 16q22.1

Domains: UPF0183

Gene Summary: Plays a regulatory role in autophagic activity. In complex with BCAS3, associates with the autophagosome formation site during both non-selective and selective autophagy. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202484