

Product datasheet for **RG207468**

C16orf44 (KLHL36) (NM_024731) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C16orf44 (KLHL36) (NM_024731) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C16orf44
Synonyms:	C16orf44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207468 representing NM_024731
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGAGGGAAGCAGGCAGACGCGAGTGTCTCGGCCATACAAGATCAGCGAATCATCAAAGGTATACC
 GCTGGGCCGACCACTCAAGCACGGTGCTGCAGCGGCTGAACGAGCAGCGTCTCCGCGGGCTCTTCTGCGA
 CGTCGCTCTGGTGGCCGATGAGCAGCGTGTGCCAGCCATCGCAACCTGCTGGCCGTGTGCAGCGACTAC
 TTCAACTCCATGTTACCATCGGCATGCGGGAAGCTTTCCAGAAGGAGGTGGAGCTGATCGGCGCCTCCT
 ACATTGGGCTCAAGGCCGTGGTGGACTTCTGTACGGCGGGAGCTGGTGTGGATGGCGGAACATTGA
 CTACGCTCTGGAGCGGCTCACGTGCTGCAGATCTGGACGGTGGTAGACTTCTGCTGTGAGTACCTGGAG
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 GCCCAAGGAGGCCAACTGCGAGGGCTTCATCGAGGAGGCCGTGCGCTACCAACAACCTGGCGGCCAG
 CCCGTCATGCAGACCAAGCGCACGGCGCTGCGCACCAACAGGAGCGCCTGCTGTTTGTGGCGGCGAGG
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 CGAGTCGGGCGTGGCAGTGTGGGAGGGCCGCATCTACATCCTGGGCGGCTACAGTGGGAGAACACTGCC
 TTCTCAAAGACCGTGCAGGTGTACGACCGCGAGGCCGACAAGTGGAGCAGGGCGTGCAGCTGCCAAGG
 CCATCGCTGGCGGCTCCGCCTGTGTCTGCGCCCTGGAGCCACGGCCAGAGGACAAGAAGAAAGGCAA
 AGGCAAGAGGCACCAGGACCGGGGCCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

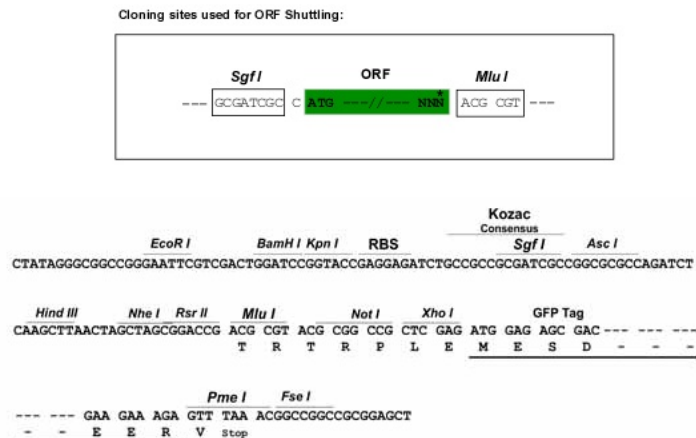
>RG207468 representing NM_024731
 Red=Cloning site Green=Tags(s)

MMEGRQTRVSRPYKISESSKVYRWADHSSTVLQRLNEQRLRGLFCDVVLVADEQRVPAHRNLLAVCSDY
 FNSMFTIGMREAFQKEVELIGASYIGLKAVVDFLYGGELVLDGGNIDYVLETAHLLQIWTVVDFCCEYLE
 QEVSSEDNYLYLQELASIYSLKRLDAFIDGFI LNHFGLSFTPDFLQNVSMQKLCVYLSSEVQRECEHDL
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 PVMQTKRTALRTNQERLLFVGGEVSERCLELSDDTCYLDAKSEQWVKETPLPARRSHHCVAVLGGFIFIA
 GGSFSRDNGGDAASNLLYRYDPRCKQWIKVASMNQRRVDFYLASIEDMLVAIGGRNENGALSSVETYSK
 TDSWSYVAGLPRFTYGHAGTIYKDFVYISGGHDYQIGPYRKNNLCYDHRTDVWEERRPMTTARGWHMCS
 LGDSIYSIGGSDDNIESMERFDVLGVEAYSPQCQWTRVAPLLHANSESGVAVWEGRIYILGGYSWENTA
 FSKTVQVYDREADKWSRGVDLPKAIAGGSACVCALEPRPEDKKKKGKGRHQDRGQ

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_024731

ORF Size: 1848 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_024731.2](#), [NP_079007.2](#)

RefSeq Size: 2211 bp

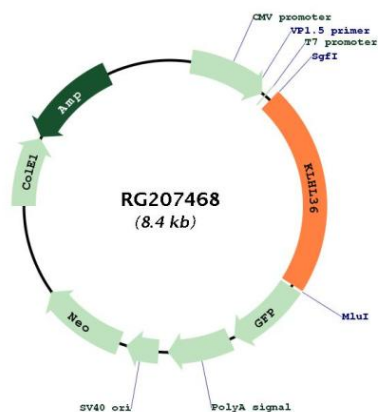
RefSeq ORF: 1851 bp

Locus ID: 79786

UniProt ID: [Q8N4N3](#)

Cytogenetics:	16q24.1
Domains:	BTB, Kelch
Gene Summary:	Probable substrate-specific adapter of an E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207468