

Product datasheet for **RG205608**

C7orf36 (YAEID1) (NM_020192) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C7orf36
Synonyms:	C7orf36; CIAB2; GK003; YAEID1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205608 representing NM_020192
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTGGGTTCAAGCAGCCTCCTTGATCCAGGGCCCTGGAGACAAAGGGGACGTGTTTGAGGAAGAAG
CAGACGAGTCGCTCCTGGCGCAGCGGAATGGCAGAGTAACATGCAAGACGAGTCAAAGAAGGTTATAG
AGATGGAATAGATGCTGGCAAAGCAGTTACTCTTCAACAGGGCTTCAATCAAGGTTATAAGAAAGGTGCA
GAAGTCATTTTAACTATGGACGACTCCGAGGAACATTGAGTGCTTTGCTCTCCTGGTGTCACCTTCATA
ATAATAATTCAACTTTGATCAATAAAATAAACAATCTTCTGGATGCAGTTGGCCAGTGTGAAGAGTATGT
GCTCAAACATCTGAAATCAATCACTCCACCGTCCCATGTTGTAGATTTATTGGACTCCATTGAGGATATG
GACCTTTGTCATGTAGTCCAGCTGAGAAAAAGATTGATGAAGCTAAAGATGAAAGACTCTGTGAAATA
ATGCTGAGTTTAACAAAAAGTGTAGCAAGAGCCATAGTGGGATAGATTGTTTCATATGTAGAATGTTGTAG
AACACAGGAGCATGCACATTCAGAAAACCAAGCCCCACATGGATTTTGAACAGACAGCCAGTTTGTGTT
AAACAGCTGGGCCTATCAGTAGATGTATTACAACACCTCAAACAATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205608 representing NM_020192
Red=Cloning site Green=Tags(s)

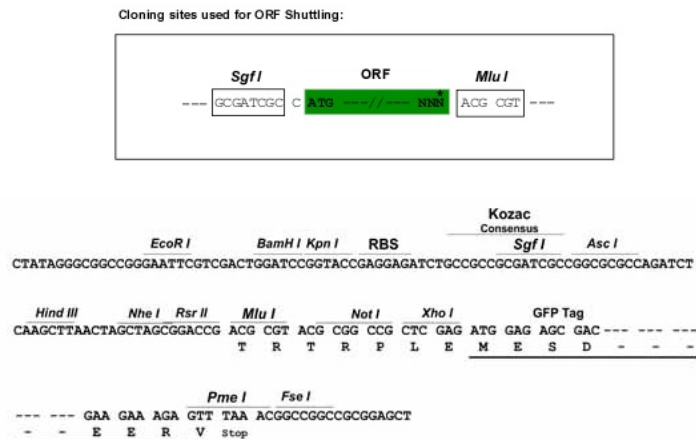
MSWVQAASLIQPGDKGDVFEEDADESLLAQREWQSNMQRVKEGYRDGIDAGKAVTLQQGFNQYKKG
EVILNYGRLRGTLALLSWCHLHNNNSTLINKINLLDAVGQCEEYVLKHLKSITPPSHVVDLLDSIEDM
DLCHVVPAAKKIDEAKDERLCENNAEFNKNCSKSHSGIDCSYVECCRTQEHAHSENPSPTWILEQTASLV
KQLGLSVDVLQHLKQL

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020192

ORF Size: 678 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_020192.1](#), [NP_064577.1](#)

RefSeq Size: 901 bp

RefSeq ORF: 681 bp

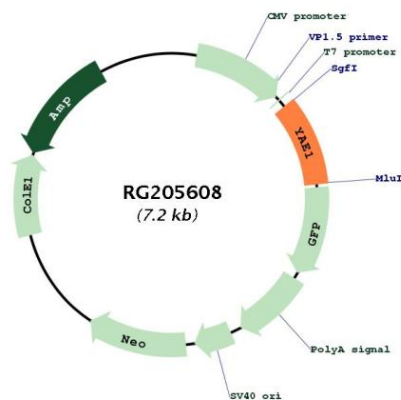
Locus ID: 57002

UniProt ID: [Q9NRH1](#)

Cytogenetics: 7p14.1

Gene Summary: The complex LTO1:YAE1 functions as a target specific adapter that probably recruits apo-ABCE1 to the cytosolic iron-sulfur protein assembly (CIA) complex machinery (PubMed:26182403). May be required for biogenesis of the large ribosomal subunit and initiation of translation (PubMed:26182403).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205608