

Product datasheet for **RG218066**

KIAA1191 (NM_020444) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1191 (NM_020444) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KIAA1191
Synonyms:	p33MONOX; p60MONOX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218066 representing NM_020444 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCTTCAAGACAACCAGAAGTGCCTGCTCTTGAGGCTAGTGCCTCTAGGCAAGATGTCCCTGCCCA
 TCGGGATATACCGCCGGGCAGTCAGCTATGATGATACCCTCGAGGACCCTGCGCCATGACTCCTCCTCC
 ATCGGACATGGGCAGCGTCCCTTGAAGCCAGTGATTCCAGAGCGCAAGTATCAGCACCTCGCCAAGGTG
 GAGGAAGGAGAGGCCAGTCTACCCTCCCCTGCCATGACCCTGTCATCAGCCATTGACAGTGTGGACAAGG
 TCCAGTGGTGAAGGCTAAAGCTACCCATGTCATCATGAATTCTCTGATCACAAAACAGACCCAGGAAAG
 CATTGAGCATTTTGAGCGACAGGCAGGGCTGAGAGATGCTGGCTACACACCCACAAGGGCTCACCACC
 GAGGAGACCAAGTACCTTCGAGTGGCCGAAGCACTCCACAACTAAAGTTACAGAGTGGAGAGGTAACAA
 AAGAAGAGAGGCAGCCTGCATCAGCCCAGTCCACCCCAAGCACCCTCCGCACTTTCACCTAAGCAGAG
 GCCCAGGGGCTGGTTCACTTCTGGTTCTTCCACAGCCTTACCTGGCCCAATCCTAGCACCATGGACTCT
 GGAAGTGGGGATAAGGACAGAACTTGTGAGATAAGTGGAGCCTCTTGGACCGAGATCCCTTCAAGT
 ACGATTCTGGAAGTTTGGCACCCAGGCCTACCGAGGAGCCAGAAGCCCTCTCCATTGGAAGTATACG
 TGCCCAGGCCAACCGAATGGCTGAAGATCCAGCAGCCTTGAAGCCCCCAAGATGGACATCCAGTGATG
 GAAGGAAAGAAACAGCCACCACGGGCCATAACCTCAAACCCCGTGACCTGAATGTGCTCACACCCACTG
 GCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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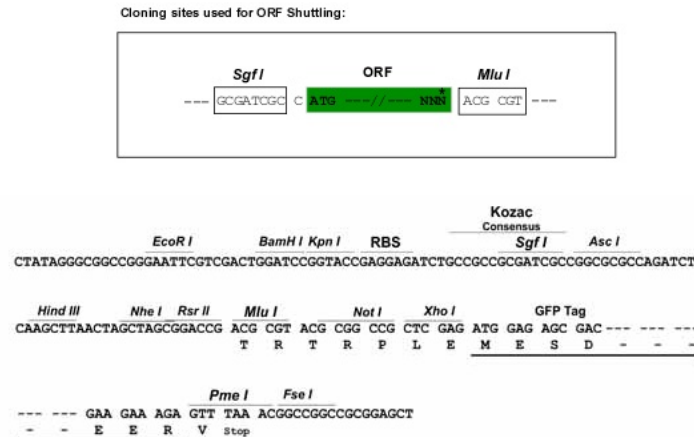
Protein Sequence: >RG218066 representing NM_020444
 Red=Cloning site Green=Tags(s)

MASRQPEVPALEASAPLGKMSLPIGIYRRAVSYYDTLEDPA PMTPPPSDMGSPVWPKVIPERKYQHLAKV
 EEGEASLPSPAMTSSAIDSVKVPVVKAKATHVIMNSLITKQTQESIQHFERQAGLRDAGYTPHKGLTT
 EETKYLRVAEALHKLKLSGEVTKERQPAQAQSTPSTTPHSSPKQRPRGWFTSGSSTALPGPNPSTMD
 S GSGDKDRNLSDKWSLFGPRSLQKYDSGSFATQAYRGAQKPSPLELIRAQANRMAEDPAALKPPKMDIPVM
 EGKKQPPRAHNLKPRDLNVLTPTG

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020444

ORF Size: 915 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_020444.5](#)

RefSeq Size: 2822 bp

RefSeq ORF: 918 bp

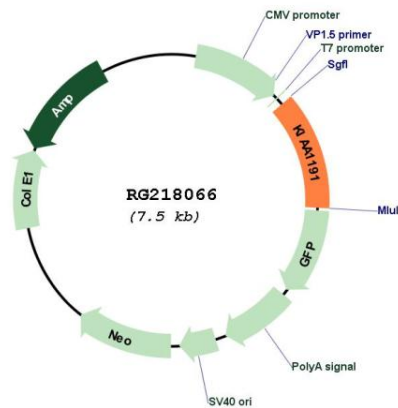
Locus ID: 57179

UniProt ID: [Q96A73](#)

Cytogenetics: 5q35.2

Gene Summary: Potential NADPH-dependent oxidoreductase. May be involved in the regulation of neuronal survival, differentiation and axonal outgrowth.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218066