

Product datasheet for RC203372

KIAA1191 (NM_001079685) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1191 (NM_001079685) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KIAA1191
Synonyms:	p33MONOX; p60MONOX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203372 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTCAAGACAACCAGAAGTGCCTGCTCTTGAGGCTAGTGCCTCTAGGCAAGATGTCCCTGCCCA
TCGGGATATACCGCCGGGCAGTCAGCTATGATGATACCCTCGAGGACCCTGCGCCCATGACTCCTCCTCC
ATCGGACATGGGCAGCGTCCCTTGAAGCCAGTGATTCCAGAGCGCAAGTATCAGCACCTCGCCAAGGTG
GAGGAAGGAGAGGCCAGTCTACCCTCCCCTGCCATGACCCTGTCATCAGCCATTGACAGTGTGGACAAGG
TCCCAGTGGTGAAGGCTAAAGCTACCCATGTCATCATGAATTCTCTGATCACAAAACAGACCCAGGAAAG
CATTTCAGCATTTTGAGCGACAGGCAGGGCTGAGAGATGCTGGCTACACACCCACAAGGGCTCACCACC
GAGGAGACCAAGTACCTTCGAGTGGCCGAAGCACTCCACAACTAAAGTTACAGAGTGGAGAGGTAACAA
AAGAAGAGAGGCAGCCTGCATCAGCCCAGTCCACCCCAAGCACCCTCCGCACTTTCACCTAAGCAGAG
GCCCAGGGGCTGGTTCACTTCTGGTTCTTCCACAGCCTTACCTGGCCCAATCCTAGCACCATGGACTCT
GGAAGTGGGGATAAGGACAGAACTTGTGAGATAAGTGGAGCCTCTTGGACCGAGATCCCTTCAGAAGT
ACGATTCTGGAAGTTTGGCACCCAGGCCTACCGAGGAGCCAGAAGCCCTCTCCATTGGAAGTATACG
TGCCCAGGCCAACCGAATGGCTGAAGATCCAGCAGCCTTGAAGCCCCCAAGATGGACATCCAGTGATG
GAAGGAAAGAAACAGCCACCACGGGCCATAACCTCAAACCCGTGACCTGAATGTGCTCACACCCACTG
GCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC203372 protein sequence
 Red=Cloning site Green=Tags(s)

MASRQPEVPALEASAPLGKMSLPIGIYRRAVSDDTLEDPA PMTPPPSDMGSPVWPKVIPERKYQHLAKV
 EEGEASLPSPAMTLSSAIDSVKVPVVKAKATHVIMNSLITKQTQESIQHFERQAGLRDAGYTPHKGLTT
 EETKYLRVAEALHKLKLSQGEVTKERQPAQAQSTPSTTPHSSPKQRPGRWFTSGSSTALPGPNPSTMD
 SGGDKDRNLSKWSLFGPRSLQKYDSGSFATQAYRGAQKPSPLELIRAQANRMAEDPAALKPPKMDIPVM
 EGKKQPPRAHNLKPRDLNVLTPGTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6428_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001079685

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.

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

RefSeq: [NM_001079685.2](#), [NP_001073153.1](#)

RefSeq Size: 2738 bp

RefSeq ORF: 918 bp

Locus ID: 57179

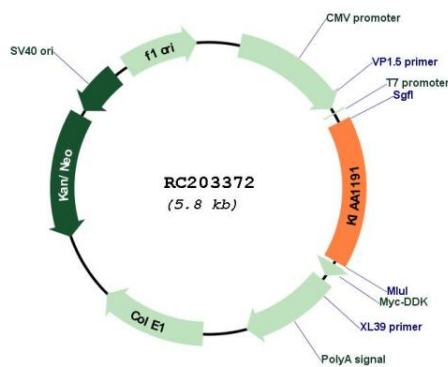
UniProt ID: [Q96A73](#)

Cytogenetics: 5q35.2

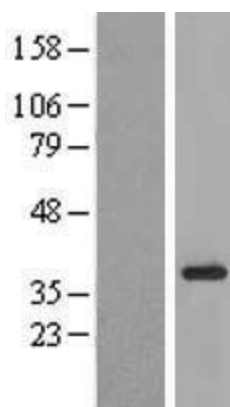
MW: 33.2 kDa

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

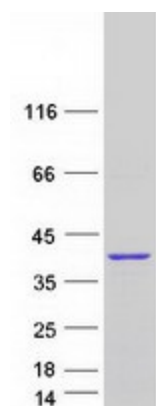
Product images:



Circular map for RC203372



Western blot validation of overexpression lysate (Cat# [LY412452]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC218066] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified KIAA1191 protein (Cat# [TP303372]). The protein was produced from HEK293T cells transfected with KIAA1191 cDNA clone (Cat# RC203372) using MegaTran 2.0 (Cat# [TT210002]).