

Product datasheet for RC220871

KIAA0232 (NM_001100590) Human Tagged ORF Clone

Product data:

| | |
|--------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | KIAA0232 (NM_001100590) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | KIAA0232 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RC220871 representing NM_001100590 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGTACCCTATCTGTACAGTTGTTGTGGATGGTTGCCATCTGAAAGCTCCTCAAGTCTTATCCAGGCC
CTGTGTCTGTTTCTGAAATGTCTCTGCTTCATGCTTTGGGTCAGTGCAGACCTGGCTGGGACAAGAGCT
CGAGAAATGTGGCATTGATGCCATGATTTACACTCGGTATGTCCTCAGTCTTCTGCTGCATGACAGCTAT
GACTACGACCTGCAGGAACAGGAGAATGACATCTTCTGGGCTGGGAAAAAGGAGCTTATAAGAAATGGG
GAAAGAGTAAGAAAAAATGTTCCAGATCTAACTCTAGAAGAAATGAAAAACAGGCTGCTGTCCAGTGTCT
TCGATCTGCTTCTGATGAAAGCTCTGGTATCGAGACTTTAGTGGAGGAGCTCTGCTCCAGACTGAAAGAC
CTTCAGAGTAAGCAAGAAGAGAAGATTCACAAAAAGTTAGAGGGGTCTCCCTCTCCAGAGGCAGAATTAT
CCCCTCCAGCAAAGGATCAAGTGGAAATGTAATGAAGCATTTCACCCTTTCTGAGAAACCAGTTTG
CCTGCAAGAAATCATGACTGTGTGGAACAAGTCTAAAGTCTGTTCTTACTCTAGCTCTTCTTCATCATCC
ACAGCCCCACCAGCTAGCACAGATACTTCTCTCCTAAGGACTGCAACAGTGAAAGTGAAGTCAACAAGG
AAAGAAGCAGTGAAGTACCCACCCTGTGCATGAGAAAACCCAGAGCAAAAGCAAAAACGAGAAGGAAAA
CAAATTTAGTAATGGCACAATTGAAGAAAAGCCTGCTTTGTACAAAAGCAAATCCGACATAAACCTGAA
GGAAAGATTGCGCCTCGCTCGTGGTCTTCTGGCTCCAGTGAAGCAGGCTCAAGTCCAGTGGGAATCAGG
GAGAATTAAGCATCCATGAAGTATGTTAAAGTAAGACACAAGGCACGAGAGATTCGAAACAAAAAAGG
GCGGAATGGGCAAAGCAGGCTTTCTTTGAAGCAGGCTGAAAAGGCTGAAAGGAACATTCATACTGGAAGT
AGTAGCAGTAGCAGCAGTGGTCTGTCAAACAGCTGTGCAAGCGGGTAAAGAGACCTTTAAAGAAATAG
GGAGAAAAGATCCTGGGAGCACTGAAGGAAAAGACCTGTACATGGAGAATAGAAAGGACACAGAGTATAA
AGAGGAGCCCTTGTGGTACCCGAGCAATTGCTGAATATTTGTTCTCTGAGCAGAAAAAGTAAACTA
GAGACCACATACCGAAAACAGACAGGATACAAGTATGATCTGACATCAGAGGAGTGAAGAAATGCTGAAT
CAGTGCATGGTCTTTGTATCAGCAACAATAATCTTCATAAAACATACCTCGCAGCAGGTACTTTTCATTGA
TGTCATTTTGTAGAAATGCCTGCAGTTATAAATGAGGATATTGACCTCACTGGGACCTCATTATGTTCT
CTACCAGAGGACAATAAATACCTGGATGATTTTCATCTATCAGAAATTAACGCACTTCTATGAAGTGGATA
TTGATCAATCCATGTTGGATCCTGGTGCCTCAGAAACAATGCAAGGAGAAAGTCGGATTTTGAATATGAT
TCGACAGAAAAGCAAAGAGAACACAGATTTTGAGGCAGAATGTTGCATAGTGTAGATGGTATGGAGTTG



[View online »](#)

CAAGGGGAACGTGCAATATGGACAGATTCTACCAGCTCCGTAGGTGCTGAGGGCTTATTCCTGCAGGACC
TTGGCAATCTGGCTCAGTTTTGGGAGTGTGTTTCATCCAGCTCCGGTGATGCTGATGGGGAGAGTTTTGG
AGGAGACTCTCCAGTTAGACTCTCTCCCATCTTAGACAGCACAGTGTCAATTCACACCTGCTTGTGCTGGC
AATCAAGAGCTCTTTTCAGATATTAATGAAGGATCTGGTATAAACTCTTGTTTTTTCAGTGTTTGAAGTGC
AATGCAGTAATTTCTGTTTTACCATTTCTTTTGAACACTCAACTGGGAAATGAAAATACAGATTCTAG
TGCTAATATGCTTGGGAAAAACAGTCTAGATTGCTAATATGGACAAAAATAGTGCCTTTGAAGAAAA
GAACACTGTTCTAATCTTTCAACAAGAACTTGTAGTCCATGGTCCCATTCAGAAGAAACACGTTTCAGACA
ATGAAACATTAATAATTCAGTTTGAAGAATCCACACAGTTAATGCCGAAGATATTAATTAATGTAGTTCC
TAGAGTCTCGTCAAATATGTAGATGAAGAACTCTAGATTTTTTGAAGATGAAACTTGCAGCAAAAAAC
AGTAGAACTTTAGGTGAGATTCTACATTAAGTTTTCAAAAAACATCTAACTAGAATCCGTCTGTGGTA
TTCAGCTAGAACAAAAACAGAAAAAAAAATTTGAACTACACAAGTATGTAATGAAAGTCCACATGG
AGATGGCTACAGCTCAGGGTTATTAAGACATTTGGACAAGATGGCAGACACAAATCTGTGGCTACA
GTAGAAAAGAAAAGAACTGATGCTGAGTTGTTTTCGGCAGATGTAATAACTACTGCTGCTGTCTAGATG
CTGAAGCTGAACTGGAGACCCTCAGGAGCCTGATAAGGCTGTGCGGAGGTGAGAGTACCATCTGTGGGA
GGGACAGAAAAGAGAGCCTGGAGAAAAGAGCATTGCTTCTAGTGAGCTATCAAACGTGGATGGTGGTGAT
TATACAACACCCTCTAAACCCTGGGATGTAGCCCAAGATAAAGAAAACACATTCATTCTTGGAGGAGTTT
ATGGAGAACTCAAACCTTCAATAGTGTGGGGAGTGGGCAGTCTACCCTAGTCACACAAAAGGAAG
TCTGTTACAGTGTGCAGCTTCTGATGTTGTGACGATAGCTGGTACAGATGTCTTTATGACCCAGGAAAC
AGTTTTGCTCCTGGGCACAGGCAGTTATGGAACCCCTTCTGTGCTTTGAAACAGAATGATCAGCCGAAGA
GTGGGGAAAAATGGGTTAATAAAGGATTTTTCTTTATCTTCCATGAAGACTTACTAGGAGCTTGTGGCAA
CTTTCAAGTCGAAGATCCTGGACTTGAATACTCATTTTTCTTCTTTGACTTAAGCAATCCATTTTCAAA
GTTCTTCATGTAGAATGCTCATTTGAACCTGAAGGGATGTCATCTTTCAGCCCCAGTTTTAAACCGAAAT
CAATCCTCTGTTCTGATTCAGACAGTGAAGTGTTCACCCAGGATATGTGGTGTGACAGAACACAATA
CAGGGCTATTCGATCTCTCCTCGGACTCACTTTCGCCCAATTTCTGCATCCGAAGTGTCCCAGGAGGA
GGAAGCGAGTCAGAATTTGAATCTGAGAAAAGTGAAGCAATATTCCTTCTCAAGTTGATATAT
TTGAAGATCCGCAGGCAGATCTCAAACCTTGGAGAAGATGCAGAGAAAAGAGCCATTACTATGGAAA
ATCAGAGCTTGAGTCTGGAAAAATCCTTCCCAGGTTAAAAAATCTGGGATGGAAAAGAGTGTCTAGACA
TCACTGGATCCCAGGAGGAATCAACTGGGATCTTTTCAGTAGGAAAGCAAAATCAGTGTGGAAATGTA
GCATGAATGAATCCCTGGAAATAGATTTAGAAAGCTCAGAAGCAAATGTAATAATGGCACAAATGCGA
GGAAGAAATTAATAATTTTTGTGGTTGCAAAGCAGTTGTGAGTTTCTGCTTATGAAGATAATCCAGTT
TCTTCGGGACAGCTGGAAGAGTCCCTGTATTGAACACTGATATACAAGGAATGAATAGAAGTCAAGAAA
AACAGACCTGGTGGGAAAAGCCTTGTACTCTCTCTTTTTCTGATCAGAGTGTGAAGAATGTTACAC
AAATGCCAAGGGAGAGAGTGGTTTGAAGAATATCCAGATGCTAAAGAGACACCCAGTAATGAAGAGCGC
CTGTTAGATTTTAAATAGGGTGTCTTCTGTTTATGAAGCAAGATGTACAGGAGAGAGAGATTCTGGAGCAA
AGTCAGATGGCTTCCGCGGAAAGATGTGCTCCAGCGCCAGCTCCACCTCGGAAGAGACAGGCTCAGAAGG
CGGAGGCGAGTGGGTGGGCCCTAGTGAAGAGGAGCTCTTTTCTCGAACTCATCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220871 representing NM_001100590
 Red=Cloning site Green=Tags(s)

MYPICTVVVDGLPSESSSSYPGPVSVSEMSLLHALGPVQTWLGQLEKCGIDAMIYTRYVLSLLHDSY
 DYDLQEQENDIFLGWEKGAYKKWKGSKKKCSDLTLEEMKKQAAVQCLRSASDESSGIETLVEELCSRLKD
 LQSKQEEKIHKKLEGGSPPEAELSPPAKDQVEMYAEFPPLSEKPVCLQEIMTVWNKSKVCSYSSSSSSS
 TAPPASTDTSSPKDCNSESEVTKERSSEVPTTVHEKTQSKSKNEKENKFSNGTIEEKPALYKKQIRHKPE
 GKIRPRSWSSGSSEAGSSSSGNQGLKASMKYVKVRHKAREIRNKKGRNGQSRLSLKHGEKAERNIHTGS
 SSSSSSGSVKQLCKRGRPLKEIGRKDPGSTEGLDLYMENRKDTEYKEEPLWYTEPIAEYFVPLSRKSKL
 ETTYRNRQDTSDLTSEAVEELSESVHGLCISNNNLHKTYLAAGTFIDGHFVEMPAVINEDIDLGTSLCS
 LPEDNKYLDIHLSELTHFYEVDIDQSMIDPGASETMQGESRILNMIQKSKENTDFEAECIVLDGMEL
 QGERAIWTDSTSSVGAEGLFLQDLGNLAQFWECCSSSSGDADGESFGGDSVPVRLSPILDSTVLSHLLAG
 NQELFSDINEGSGINSFVFEVQCSNSVLPFSFETLNLGNENTDSSANMLGKTQSRLLIWTKNSAFEEN
 EHCNSLSTRTCSPWHSSEETRSNETLNIQFEESTQFNAEDINYVVRVSNYVDEELDFLQDETCCQN
 SRTLGEIPTLVFKKTSKLESVCGIQLEQKTENKNFETTQVCNESPFGDGYSSGVIKDIWTKMADTNSVAT
 VEIERTDAELFSADVNNYCCCLDAEALETLQEPDKAVRRSEYHLWEGQKESLEKRAFASSEL SNVDGGD
 YTTSPKPWDVAQDKENTFILGGVYVYELKTFNSDGEWAVVPPSHTKGSLLQCAASDVVTIAGTDVFMTPGN
 SFAPGHRQLWKPFFVSFEQNDQPKSGENLNGKFSFIFHEDLLGACGNFQVEDPGLSEYSSFDLSNPFSSQ
 VLHVECSFEPEGIASFSPFKPKSILCSDSDSEVHFPRICGVDRYQYRAIRISPRTHFRPISASELSPGG
 GSESEFESEKDEANIPISQVDIFEDPQADLPLEEDAEGHYGKSELESKFLPRLKKGMEKSAQT
 SLDSQEESTGILSVGKQNCLECSMNESLEIDLESSEANCKIMAQCEEEINFCGCKAGCQFPAYEDNPV
 SSGQLEEFVPLNTDIQGMNRSQEKQTWWEKALYSPLFPASECECYTNAKGESGLEEYPAKETPSNEER
 LLDFNRVSSVYEARCTGERDSGAKSDGFRGKMCSSASSTSEETGSEGGGEWVGPSEELFSRTHL

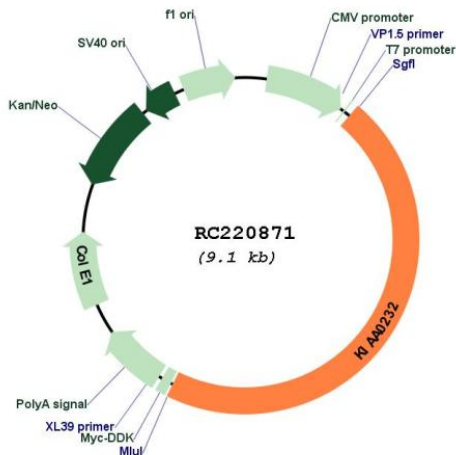
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001100590

ORF Size: 4185 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_001100590.1](#), [NP_001094060.1](#)

RefSeq Size: 7789 bp

RefSeq ORF: 4188 bp

Locus ID: 9778

UniProt ID: [Q92628](#)

Cytogenetics: 4p16.1

MW: 154.6 kDa