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Product datasheet for MC219858

Nek11 (NM_172461) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nek11 (NM_172461) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nek11
Synonyms:	4932416N14Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC219858 representing NM_172461
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGAAATTCCAAGAGACTGCGAAGTGTGTGGGCAGAAGACCCACAGTCATCCCCATGTACCCGACCG
CTTTGATTGCAAGAAGATATGTTCTTCAGCAGAAACTTGGCAGTGGAAGTTTTGGAACTGTCTATCTGGT
GTCAGACAAGAAAGCCAAACCTGGAGAGGAGCTAAAGGTACTGAAGGAAATCTCTGTTGGCGAATTAAAT
CCAAATGAGACCGTGCAGGCCAATGTGGAAGCTCAGCTCCTCTCCAGGCTCCATCATCCTGCCATTGTCA
GATTCCATGCAAGCTTCATGGAGCAGGAGACTTTTTGCATTATCACGGAATACTGTGAGGGCCGAGATCT
GGACTATAGAATCCAGGAATATAAAGAAGCTGGGAAAGTCTTCGCTGAAAATCAGATAGTAGAATGGTTT
ATCCAGCTGTTGCTTGGAGTTGACTACATGCATGAGAGGAGAATACTTCATCGAGACTTGAAATCAAAGA
ATATATTTCTGAAAAATAATCTACTCAAAATCGGGGATTTTGGAGTTTCTCGGCTGCTAATGGGTTCATG
TGAGCTGGCTACAACTCTAACCGGGACCCCCCATTATATGAGTCCCGAGGCCCTGAAGCACCAAGGCTAT
GATGCCAAGTCTGACATCTGGTCACTGGCATGCATTTTATATGAGATGTGTTGCCTGGATCATGCATTTG
CTGGCTCCAGTTTCTTGTCTGTGGTTTTGAATATTGTTGAAGGTAAAACACCTTCACTCCCGGACAGATA
TCCACGAGAACTAAACACCATCATGGAACGCATGTTGAACAAGAGTCCTTCATTGAGACCGTCGGCTGCA
GACATTTTAAAAGCCCCTTACATGGAAGAGCAGCTTCAGCTCCTGATGTGTAAATACCCAGAGATGACAC
TGGAAGACAAGAACTCAGTTTGTCAGAAGGAGGCTGCTCATACGATTAATGCCGTGCAGAAAAAGCTTCA
CCTGCAGACTCTGCAAGCCTTGTCTGACACGCAGAAAACGACTCCCAGAGAACGGATGTGGCTGAGGAAG
CTGCAGGCAGCCGATGAGAGAGCCAGGAGGCTGAAAAAGATTGCTGAAGAAAACTATAAAGAAAATGACA
AAAGGATGCAGGCCCTGAGATCCCGGAATGTGGGGTCCGTGCATGCCCATGTGCTCCATGAACTAGATGA
ACGGACTTTGGAGAGCCTGCCTGAGCCTCAGTCCCTTCCGTGCCTGGACCTCGATGAACTTGAGCCCAGT
TTAGAGGACACCATTGTTGACCTCGGACATTATGAGATCCCAGAAGACCCACTTGTTGCTGAACAATATT
ATTCCGATGTCTTTGATTCCTGTTCTGAAGACAGCGAGGAGCAGGAGGAAGAAATGATATTCTCAGAAGC
AGGAGGAGACACGAAAGAGGAGGAATCCCCATCTGTGTACAGAACAAACCAACAGGACAGTGATACTGCC
GCGCTGGTTGGGTGTTTGGAACATGTCCTGGGTTACACCTCTCTAGACACAAAGACTATTACCAATGCAG
TGACAGACATGTCTCCTGGACCAATGGTTTTCAACAGTGCAGTGGCTCGGACCAAGATGAAGCGCATGAA
GGAATCAGCTGTACAGAAGCTAGGAATGGAAACGTTTGAGGAGGTCTACGATTACCTCAAGAGAGCAAGG
CACCAGAATGCCAGAGAAGCAGAGATCTGGGAGCATCTGGAGACGGTGGTTCCTCGGGCCAGTGACTGCT
TTGAAGTTGACCAGCTCCTCTATTTTGAGGAGTTGCTGCTGACCATGGAAGGAAAAGAGCCCTCTCTCCA
GAACCTGCCCTGTGAAGCTGCCCAGAAGAAGCCGGTCAAGGGCACTCATTTCTGTGACAATCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172461

Insert Size: 1887 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_172461.3, NP_766049.2
RefSeq Size:	2625 bp
RefSeq ORF:	1887 bp
Locus ID:	208583
UniProt ID:	Q8C0Q4
Cytogenetics:	9 F1
Gene Summary:	Protein kinase which plays an important role in the G2/M checkpoint response to DNA damage. Controls degradation of CDC25A by directly phosphorylating it on residues whose phosphorylation is required for BTRC-mediated polyubiquitination and degradation. [UniProtKB/Swiss-Prot Function]