

Product datasheet for **MR218873**

Nek5 (NM_177898) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nek5 (NM_177898) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nek5
Synonyms:	6530411J22; BB049667
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218873 representing NM_177898
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATAACTTTACCTGATTAAGATCATTGGGAAGGCACCTTTGGGAAGTGTACTTGGCTAAAGATA
 AATCAGAAAGCAGTCACTGTGCATAAAAAGAAATCAGTTTGACAAAGGAAAAAGAGGCCTCAAAGAACGA
 AGTGATTCTTCTGGCTAGGATGGAGCATCCAATATCGTAACCTTCTTCAGCTCGTTTCAAGAGAACGGC
 AGGCTGTTTATTGTAATGGAATACTGTGATGGAGGGGATCTCATGCAGAGGATCCAGAGGCAGCGGGGAG
 TGATGTTCCAGCGAAGACCAGATCCTGTGTTGGTTGTACAGATTTCTCTAGGACTGAAGCATATTCATGA
 CAGGAAGATTTACACAGGGACATAAAATCTCAGAATATTTTTCTTAGCAAGAATGGAATGGTTGCCAAG
 CTCGGGGACTTTGGAACAGCAAGAACACTGAATGACTCCATGGAAGTCTGCTCAAACATGTGCTGGGACAC
 CTTACTACCTGTCCCAGAGATCTGTGAGAACAGGCCATAACAATAAAACGGACATCTGGTCTCTTGG
 CTGTGTCTTATATGAGCTCTGCACACTCAAGCATCCTTTTGGAGCAACAACCTCCACCATCTGGTTCTG
 AAGATTTGTCAAGGACGTGTGCTCCCATATCACCCACTTCTCTCGTGACCTACAGTCTTGATACCTC
 AGCTCTTCAGAGTGTCTCCTCAGGACCGGCCATCCGTTACGTCCCTTTTAAAAGACCCTTTTTAGAAAC
 TCTCATTGCCCGATCCTTGATCCTGAGGTCTGTTCAAGAAGAATCCAGTCCCACGCTCACATGGAGAAC
 ATGGCCATTGGCCCCACAGCTTGTGGAGAGTTAGTCCATGGTCTGCTGCCTACCTTCAGAGGAAATTTG
 AAGCTCAGCAATAAAGTTAAAAGTGGAAAGACAATTGGGTCTTCGTCCATCTTCTGTGGAACCACATCC
 AAACGAGGGAGAAAAGCTACAAAGTCATTGGGAGGAGACTAAATCCAGGAGCTTCAATACAGGAAGAAC
 AAAATGAAGGACCAGGAATATTGGAACAGCTGGAAGAAATCCGCCAACAGTACCACAACGACATGAAGG
 AAATTAAGGAGAAAATGGGGAGAGAGCTGAAGAGAGTGGTAAAGTTTGAATCAGCCTAGACAAGTGTAT
 TTCAGAGGAAGACACCGTCCAGGAGAATGAGGCAGTGGATAAACTAAATGCTACTTTAAGCTTTGAAGAT
 GGCACGAAGTTTTCAGGAGCACAGATGTAAGGAGGAACATGAAGACTATACAGACAGAGCCTTTGAAGAAC
 TCTGTGGCCAGAACGAGAGGGTTCTTTTCAGGATGTCATTGCCGCAGAGAACAGGAGGCAGTGGGATGC
 CGGGGCACCTCACACTCTGCTGCGAATAATGGCAATGGCAGATGTCACCTCCACCTGCCCCACCATGCCG
 GATGATGGCCAAGTATTGTGATGGAAGGCAGTGTAGAGAATGGGAAGCAGTGGTGGCTGGATGTGCCAG
 GGACCCCGTGTGCTTTGGCAGCAGAGTGTGCTGCAGTGGCTCATTGTCTGCCAGTAAAGGAGAAAACCGT
 AATGATCAAACCACAGCTTCTAAAGAAGACCAGGAAAAGGTAGAAATAGCCACGGGCATCATGGTGGAT
 GATGAACAGCTGGAACCAGGATCGGATGAAGATGACATGCAGGAAGGCAGGGGGTCAAGAAATCAATGC
 CATCTTACAGCTACAAGCAAGATCAAGGCCAGTCCAGGCTGCATGGCATCTGCCCAACTCTGTCACCCC
 ACCACCCCTGCAAAGGAAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218873 representing NM_177898
 Red=Cloning site Green=Tags(s)

MDNFHLIKIIGEGTFGKVVYLAkdKSESSHCVIKEISLTKEKEASKNEVILLARMEHPNIVTFFSSFQENG
 RLFIVMEYCDGGDLMQRIQRQRGVMSFDQILCWFVQISLGLKHIHDRKILHRDIKSQNIFLSKNGMVAK
 LGDFGTARTLNDMELAQTCACTPYLSPYICQNRPNKTDIWSLGCVLVELCTLKHPFESNNFHLVL
 KICQGRVAPISPHFSRDLQSLIPQLFRVSPQDRPSVTSLLKRPFLETLIARSLYPEVCSRRIQSHAHMEN
 MAIGPTACWRVSPWSAAYLQRKFEAQYKLVKVERQLGLRPSSVEPHPNEGEKLQSHWEEKFQELQYRKN
 KMKDQEWYKQLEEIRQQYHNDMKEIKKMGRELKRVVKEISLDKCISEEDTVQENEAVDKLNATLSFED
 GTKFQEHRCKEEHEDYTDRAFEELCGPEAEFFQDVIAAENRRQWDAGAPHTLLRIMAMADVTSTCTMP
 DDGQVIVMEGVSVEKQWLLDVPGLPCALAAECACSGSLASASKGETVMIKPQLPKEDQEKVEIATGIMVD
 DEQLEPGSDEDDMQEGRGIKNSMPSSATSKIKASPGCMASCPNSVTPPLQRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177898

ORF Size: 1842 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_177898.5](#)

RefSeq Size: 2404 bp

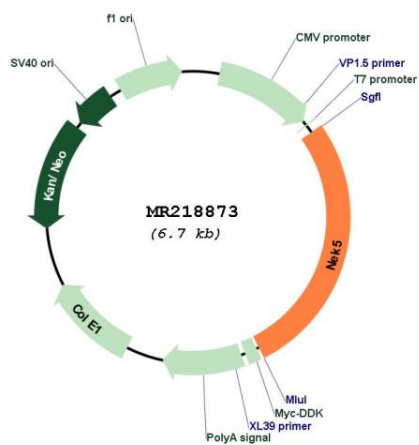
RefSeq ORF: 1845 bp

Locus ID: 330721

UniProt ID: [Q7TSC3](#)

Cytogenetics: 8 A2
 MW: 70.5 kDa

Product images:



Circular map for MR218873