

Product datasheet for **MG218873**

Nek5 (NM_177898) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nek5 (NM_177898) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nek5
Synonyms:	6530411J22; BB049667
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218873 representing NM_177898
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATAACTTTACCTGATTAAGATCATTGGGAAGGCACCTTTGGGAAGTGTACTTGGCTAAAGATA
 AATCAGAAAGCAGTCACTGTGCATAAAAAGAAATCAGTTTGACAAAGGAAAAAGAGGCCTCAAAGAACGA
 AGTGATTCTTCTGGCTAGGATGGAGCATCCAATATCGTAACCTTCTTCAGCTCGTTTCAAGAGAACGGC
 AGGCTGTTTATTGTAATGGAATACTGTGATGGAGGGGATCTCATGCAGAGGATCCAGAGGCAGCGGGGAG
 TGATGTTCCAGCGAAGACCAGATCCTGTGTTGGTTGTACAGATTTCTCTAGGACTGAAGCATATTCATGA
 CAGGAAGATTTACACAGGGACATAAAATCTCAGAATATTTTTCTTAGCAAGAATGGAATGGTTGCCAAG
 CTCGGGGACTTTGGAACAGCAAGAACACTGAATGACTCCATGGAAGTCTGCTCAAACATGTGCTGGGACAC
 CTTACTACCTGTCCCAGAGATCTGTGAGAACAGGCCATACAACAATAAAACGGACATCTGGTCTCTTGG
 CTGTGTCTTATATGAGCTCTGCACACTCAAGCATCCTTTTGGAGAGCAACAACCTCCACCATCTGGTCTCTG
 AAGATTTGTCAAGGACGTGTGCTCCCATATCACCCACTTCTCTCGTGACCTACAGTCTTGATACCTC
 AGCTCTTCAGAGTGTCTCCTCAGGACCGGCCATCCGTTACGTCCCTTTTAAAAAGACCCTTTTTAGAAAC
 TCTCATTGCCCGATCCTTGATCCTGAGGTCTGTTCAAGAAGAATCCAGTCCCACGCTCACATGGAGAAC
 ATGGCCATTGGCCCCACAGCTTGTGGAGAGTTAGTCCATGGTCTGCTGCCTACCTTCAGAGGAAATTTG
 AAGCTCAGCAATAAAGTTAAAAGTGGAAAGACAATTGGGTCTTCGTCCATCTTCTGTGGAACCATCC
 AAACGAGGGAGAAAAGCTACAAAGTCAATGGGAGGAGACTAAATCCAGGAGCTTCAATACAGGAAGAAC
 AAAATGAAGGACCAGGAATATTGAAACAGCTGGAAGAAATCCGCCAACAGTACCACAACGACATGAAG
 AAATTAAGGAAGAAAATGGGGAGAGAGCTGAAGAGAGTGGTAAAGTTTGAATCAGCCTAGACAAGTGTAT
 TTCAGAGGAAGACACCGTCCAGGAGAATGAGGCAGTGGATAAACTAAATGCTACTTTAAGCTTTGAAGAT
 GGCACGAAGTTTTCAGGAGCACAGATGTAAGGAGGAACATGAAGACTATACAGACAGAGCCTTTGAAGAAC
 TCTGTGGCCAGAACGAGAGGGTTCTTTTCAGGATGTCATTGCCGCAGAGAACAGGAGGCAGTGGGATGC
 CGGGGCACCTCACACTCTGCTGCGAATAATGGCAATGGCAGATGTACCTCCACCTGCCCCACCATGCCG
 GATGATGGCCAAGTATTGTGATGGAAGGCAGTGTAGAGAATGGGAAGCAGTGGTGGCTGGATGTGCCAG
 GGACCCCGTGTGCTTTGGCAGCAGAGTGTGCTGCAGTGGCTCATTGTCTGCCAGTAAAGGAGAAAACCGT
 AATGATCAAACCACAGCTTCTAAAGAAGACCAGGAAAAGGTAGAAATAGCCACGGGCATCATGGTGGAT
 GATGAACAGCTGGAACCAGGATCGGATGAAGATGACATGCAGGAAGGCAGGGGGATCAAGAAATCAATGC
 CATCTTACAGCTACAAGCAAGATCAAGGCCAGTCCAGGCTGCATGGCATCTGCCCAACTCTGTCACCCC
 ACCACCCCTGCAAAGGAAAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218873 representing NM_177898
 Red=Cloning site Green=Tags(s)

MDNFHLIKIIGEGTFGKVVYLAADKSESSHCVIKEISLTKEKEASKNEVILLARMEHPNIVTFFSSFQENG
 RLFIVMEYCDGGDLMQRIQRQRGVMSFEDQILCWFVQISLGLKHIHDRKILHRDIKSQNIFLSKNGMVAK
 LGDFGTARTLNDSMELAQTCACTPYLSPYICQNRPNKTDIWSLGCVLVELCTLKHPFESNNFHLVL
 KICQGRVAPISPHFSRDLQSLIPQLFRVSPQDRPSVTSLLKRPFLETIARSLYPEVCSRRIQSHAHMEN
 MAIGPTACWRVSPWSAAYLQRKFEAQYKLVKVERQLGLRPSVVEPHNEGEKLSHWEEETKQELQYRKN
 KMKDQYWKQLEERQQYHNDMKEIKKMGRELKRVVKFEISLDCISEEDTVQENEAVDKLNATLSFED
 GTKFQEHRCKEEHEDYTDRAFEELCGPEAEGFFQDVIAAENRRQWDAGAPHTLLRIMAMADVTSTCPTMP
 DDGQVIVMEGVSVEKQWVLDVPGTPCALAAECACSGSLSASKGETVMIKPQLPKEDQEKVEIATGIMVD
 DEQLEPGSDEDDMQEGRGIKNSMPSSATSKIKASPGCMASCPNSVTPPLQRI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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