OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC223626

Nek10 (NM_001195229) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nek10 (NM_001195229) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nek10
Synonyms:	Gm282
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC223626 representing NM_001195229
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCGATCAAGATACAAAGGCGAAGAGCACAGAGAAAACCGCTGATAAGCAACAAGGGACCACCACCA
GGGACTATTCAGATCTTAAAAGACTTCGGTGCCTGTTGAACGTTCAGTCAAGCAAACAGCAGCTTCCAGC
CATTAACTTTGACAGTGCCCAAAATAACATGACAAAGTCTGAGCCAACCATCAGGACAGGGGGACATAGA
GCTCGTGGTCAATGGCATGAGTCCACAGAAGCAGTTGAACTTGAAAATTTTAGTATAAACTATAAGAATG
AAAGGAATTTCAGCAAACATCCACAGCATCAGTTATTTCAAGAGATCTTCACAGCTCTGGTGAGAAACAG
ACTTATATGCAGAGAGTGGGTTAATCGTGCTCCATCCATTCATTTTCTGAGAGTGTTAATTTGTCTGAGG
CTGCTGATGCGGGATCCATGTTATCAGGAAATACTCCATAAATTGGGTGGTATTGAAGACCTTGCTCAGT
ACATGGAGATCGTGGCCAACGAGTACCTGGGCTACGCTGAGGAGCAGCACTGTGTGGACAAGCTGGTCAA
TATGACGTATATTTTTCAAAAACTTGCTGCTGTGAAAGACCAAAGAGAATGGGTTACTGCAAGTGGAGCC
CACAAGACATTAGTGAGTTTGCTTGGTGCCCGAGACACCACTGTCCTCTTGGGTGCTCTGCTGGCACTGG
CCAGCTTAGCAGAGAGTTCAGAGTGTAGGGAGAAGATCAGTGAACTCAACGTAGTAGAAAATCTGTTGAT
GATTCTGCACGAATATGATTTACTCTCCAAAAGACTCACTGCCGAGCTCCTGCGCCTGCTTTGTGCTGAG
CCCCAGATCAAGGAGCAGGTGAAACTCTATGAAGGGATCCCCATCCTGCTCAGTCTGCTTCATTCTGATC
ACTTGAAGCTGCTGTGGAGTGTGATCTGGATTCTGGTCCAGGTGTGTGAGGACCCGGAGACTAGTGTGGA
AATCCGAATCTGGGGTGGCATCAAGCAGCTCCTTCATATTTTACAAGGAGACAGAAATTTTGTTTCTGAC
CGTTCTTCCATCGGAAGCCTGTCCAGTGCAAATGCCGCAGGACGCATCCAGCAGCTTCATTTGTCAGAAG
ATTTAAGCCCTGGGGAAATCGAGGAAAATACTGTCTCTCTCCAAGCAGCCTGCTGTGCTGCCCTCACCGA
GCTGGCCCTCAATGATACCAATGCCCACCAAGTGGTACAGGAAAATGGTGTATATACAATAGCAAAATTA
ATTTTACCAAATAAACAATCGAATGCAGCACAAACTAATCTACTACAGTGTTATGCTTTCAGAACCCTGA
GGTTTCTCTTCAGTATGGAAAGGAACAGGCCACTCTTTAAAAGACTTTTTCCCACCGACCTGTTTGAGAC
CTTCATTGACATAGGACATTACGTTCGTGATATTGGTGCTTATAAGGACTTGGTATCACAGTTGAATTTA

View online »

CTATTGGAAGATGAGCTGAAGCAAATTGCTGAGAATATTGAAAGCATCAATCAGAAGAAAGCGCCCTTGA
AGTACATAGGTGACTATGCTGTGTTGGACCACCTTGGAAGTGGAGCTTTTGGCTGTGTTTATAAGGTTAG
AAAGCGTAGTGGTCAAAATCTTTTAGCAATGAAGGAGGTCAATTTGCATAACCCAGCATTTGGAAAGGAT
AAGAAAGACCGAGACAGCAGTGTCAAGAACATTGTTTCTGAATTAACAATAATTAAGGAGCAGCTTTATC
ATCCCAATGTTGTACGTTATTATAAAACATTTTTGGAAAATGACAGGTTGTATATCGTTATGGAGCTGAT
AGAAGGAGCCCCACTTGGAGAGCACTTTAATTCTTTGAAGGAAAAACATCACCATTTCAGTGAAGAGCGA
CTGTGGAAAATATTTATACAGCTGTGCTTAGCTCTTCGGTATCTGCACAAGGAGAAGAGGATTGTTCACA
GAGATCTCACGCCAAACAACATTATGCTGGGAGATAAGGACAAAGTGACAGTTACTGACTTTGGCCTGGC
AAAGCAAAAACAGGAAAGCAGTAAGCTTACATCTATGGTGGGAACGATCCTCTATTCTTGCCCAGAGGTC
CTGAAGAGTGAGCCATATGGAGAGAAGGCCGATGTCTGGGCTGCTGGCTGCATCCTTTATCAGATGGCGA
CTCTAAGTCCTCCCTTCTGTAGCACCAACATGCTCTCCTTGGCTACTAAAATAGTGGAGGCTGTATATGA
GCCAGTGCCAGAAGGTATCTACTCTGAAAAAGTGACAGATACCATTAGAAGGTGCCTCACTCCTGATGCA
GAAGCCCGTCCAGATATTGTAGAAGTTAGTTCCATGATATCAGATGTCATGATGAAGTATTTAGACAGAT
TATCCACATCCCAGCTAGCCTTGGAGAGGAAACTGGAAAGGGAGCGGAGGCGCACACAGAGATACTTTAT
GGAAGCCAACAGGAATGCTGTCACATGTCACCATGAGCTGGCTCTTCTGTCCCAGGAGACCTTTGAGAAG
GCAAGCCTGAGCAGCAGTAGCAGCGGGGCAGCCAGCCTGAAAAGTGAGCTTTCAGAGAGCGCAGAGCTGC
CTGGAGAGGGCTGCCACATCCCCTGCGGGAAGGAGGAGGACAGGGTCTGTGAGGAGGTGCTGTCAGAAGA
CAACTTCCAGCTGGAGAGTGTGGAGAAAGACCTGTATTCTGAGCTAGACGATGAGCTGGACGTCTCGGAC
AACTGTAGCAGCTCCAGTTCAAGCCCCCTAAAGGAGTCTACATTCAGCATTTTAAAGCGAAGTTTCAGTG
CTTCGGGAAGAGAAAGGCACTCACAGGCAAGGGACTTCATTGCTGGACTAGGATCAAGACCAAGACCAGC
ATCTGCAGGCATCGCTGTATCCCAGCGGAAAGTGCGGCAGATCTGCGACCCCATTCAGCAGATCCTGATC
CAGCTACATAAAGTTATCTACATCACGCAGCTCCCTCCAGCTCTGCACCATGATCTGAAGAGAAGGGTTA
TAGAGAGATTCAAGAAGTCCCTGTTCAGTCAGCAGAGCAACCCATGTAACCTGAAATCTGAAATTAAGAA
GTTGTCTCAGGGGTCTCCAGAACCCATCGAGCTGAACTTTCTTACCTCAGATTATCATTCACTTCGCCAT
TCACGAGCTGCAAACAACTGGTCCCCAAGTGACCCCACAGGTTCACCCAGCAGCTTTGAAGTGGAAGAGG
GAGTCACATATGAGCAGATGCAGACTGTGATTGAAGAAGTCCTAGAGGAAAGTGGCTATTACAACTTTAC
AACTAAGAGGTGTCACTCTTTTCCATGGGTGACCAAGAGCTACACAGCCAAAAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001195229

Insert Size: 3348 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_001195229.1, NP_001182158.1
RefSeq Size:	3348 bp
RefSeq ORF:	3348 bp
Locus ID:	674895
UniProt ID:	Q3UGM2
Cytogenetics:	14 A1
Gene Summary:	Plays a role in the cellular response to UV irradiation. Mediates G2/M cell cycle arrest, MEK autoactivation and ERK1/2-signaling pathway activation in response to UV irradiation. [UniProtKB/Swiss-Prot Function]