

Product datasheet for **RN213310**

Nek7 (NM_001108346) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nek7 (NM_001108346) Rat Untagged Clone
Tag: Tag Free
Symbol: Nek7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213310 representing NM_001108346
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGAACAACCACAAGGAATGCAAGGGCCCCCTGTTCCCTCAGTTCAGCCGCAGAAAGGCATTACGAC
CAGATATGGGCTATAACTTTAGCCAACCTCCGAATAGAAAAGAAAATGGACGTGGACAATTTAGTGA
AGTTTATAGAGCATCCTGTCTCCTGGATGGAGTCCAGTAGCTTTAAAAAAGTGCAGATATTTGATTTA
ATGGATGCCAAAGCACGTGCCGATTGTATCAAAGAAATAGATCTCCTTAAGCAACTCAACCATCCAATG
TAATTAATATTATGCATCATTATTGAAGATAATGAGCTGAACATAGTTTTGGAGTTAGCAGATGCTGG
TGACCTCTCCAGAATGATAAAGCACTTTAAGAAACAAAAGAGGCTAATCCCTGAGAGGACTGTTGGAAA
TACTTCGTTTCTGAGTCTGCACTGGACCACATGCATTCTCGAAGAGTCATGCACAGAGATATAAAAC
CAGCTAATGTGTTTATTACAGCCACTGGGGTAGTCAAACCTGGAGATCTGGACTTGGTTCGGTTCTTCAG
CTCCAAAACCACAGCTGCACATTCTTTAGTGGCAGCCTTACTACATGTCTCCAGAGAGGATCCATGAG
AACGGATACAACCTCAAGTCTGACATCTGGTCTCTCGGCTGTCTGCTGTATGAGATGGCGCGTTGCAGA
GTCCTTTCTACGGAGACAAGATGAATCTGTACTCTGTGTGAAGAAGATAGAACAGTGTGACTACCCACC
TCTCCCATCAGATCACTATCCGAGGAGCTCCGACAGTTAGTTAATATATGCATCAACCCAGATCCGGAG
AAGCGACCGGACATCGCCTACGTTTATGATGTGGCAAAGAGGATGCATGCCTGTACCGCCAGCAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001108346
Insert Size: 909 bp



[View online »](#)

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:	<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:	<u>NM_001108346.2, NP_001101816.1</u>
RefSeq Size:	909 bp
RefSeq ORF:	909 bp
Locus ID:	360850
UniProt ID:	<u>D3ZBE5</u>
Cytogenetics:	13q13
Gene Summary:	Protein kinase which plays an important role in mitotic cell cycle progression. Required for microtubule nucleation activity of the centrosome, robust mitotic spindle formation and cytokinesis. Phosphorylates RPS6KB1. releasing the autoinhibitory function of Tyr-97 (By similarity).[UniProtKB/Swiss-Prot Function]