

Product datasheet for **RC217240**

NRK (NM_198465) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NRK (NM_198465) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NRK
Synonyms:	NESK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217240 representing NM_198465 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGACCTGGGGCTGGAGGGACAGGGAGGTCACGGATCTGGGCCACCTGCCGGATCCAACCTGGAA
TATTCTCACTAGATAAAACCATTTGGCCTTGGTACTTATGGCAGAATCTATTTGGGACTTCATGAGAAGAC
TGGTGCATTTACAGCTGTTAAAGTGATGAACGCTCGTAAGACCCCTTTACCTGAAATAGGAAGCGAGTG
AGAGTGAATAAATATCAAAAATCTGTTGGGTGGAGATACAGTGATGAGGAAGAGGATCTCAGGACTGAAC
TCAACCTTCTGAGGAAGTACTCTTCCACAAAAACATTGTCTCTATGGAGCATTTTCAAGCTGAG
TCCCCCTGGTCAGCGGCACCAACTTTGGATGGTATGGAGTTATGTGCAGCAGGTTCCGGTCACTGATGTA
GTGAGAATGACCAAGTAATCAGAGTTTAAAAAGAGGTTGGATTGCTTATATCTGCCGAGAAATCCTTCAGG
GCTTAGCTCACCTTCACGCACACCGAGTAATTCACCGGGACATCAAAGGTGAGAAATGTGCTGCTGACTCA
TAATGCTGAAGTAAAACCTGGTTGATTTTGGAGTGAGTGCCAGGTGAGCAGAACTAATGGAAGAAGGAAT
AGTTTCATTGGGACACCATACTGGATGGCACCTGAGGTGATTGACTGTGATGAGGACCAAGACGCTCCT
ATGATTACAGAAGTGATGTGGTCTGTGGGAATTACTGCCATTGAAATGGCTGAAGGAGCCCTCCTCT
GTGTAACCTTCAACCCTTGAAGCTCTCTCGTTATTTTGCGGGAATCTGCTCCCACAGTCAAATCCAGC
GGATGGTCCCCTAAGTTCCACAATTTTCATGAAAAGGTACGATAAAAAATTTCCCTGTTTCTGCTACTT
CTGCAAAACATGCTTCAACACCCATTTGTTTCGGGATATAAAAAATGAACGACATGTTGTTGAGTCATTAAC
AAGGCATCTTACTGGAATCATTAAAAAAGACAGAAAAAAGGAATACCTTTGATCTTTGAAAAGAGAAGAA
GCTATTAAGGAACAGTACACCGTGAAGAATTCAGAGGACCCTCTGCACTCACGAGCTTCTGAGATTGC
CAACCAGCAGCAGATGCAGACCACTTAGAGTCTGCATGGGGAACCCTCTCAGCCAAGGTGGCTACCTGA
TCGAGAAGAGCCACAGGTCAGGCACTTACAGCAGCTACAGGGAGCAGCCAGGATTCATGCCACTGCAG
GCTCTGGACAGTGCACCTAAGCCTCTAAGGGGCAGGCTCAGGCACCTCAACGACTACAAGGGGCAGCTC
GGGTGTTTCATGCCACTACAGGCTCAGGTGAAGGCTAAGGCCTCTAAACCTCTACAATGCAGATTAAGGC
ACCTCCAGACTACGGAGGGCAGCCAGGTTGCTCATGCCACTACAGGCACAGGTTAGGGCACCTAGGCTT



[View online >](#)

CTGCAGGTACAGTCCCAGGTATCCAAAAAGCAGCAGGCCAGACCCAGACATCAGAACCACAAGATTTGG
 ACCAGGTACCAGAGGAATTTTCAGAGTCAAGATCAGGTACCCGAACAACAAGGCAGGGCCAGGCCCTGA
 ACAACAGCAGAGGCACAACCAGGTGCCTGAACAAGAGCTGGAGCAGAACCAGGCACCTGAACAGCCAGAG
 GTACAGGAACAGGCTGCCGAGCCTGCACAGGCAGGGACTGAGGCAGAGGAACCTGAGTCAATACGAGTAA
 ATGCCAGGTATTTCTGCCCTGCTATCACAAGATCACCATGTGCTGTTGCCACTACATTTGGATACTCA
 GGTGCTCATTCCAGTACAGGGGCAAACTGAAGGATCACCTCAGGCACAGGCTTGGACACTAGAGCCCCCA
 CAGGCAATTGGCTCAGTTCAAGCACTGATAGAGGACTATCAAGAGACTTGCTTCGGGCGCCAACTCAA
 ATAACCTCAAAGCCACTTGGTCCGTTGCAAACCCTGATGGAAAATCTGTCATCAAATAGGTTTTACTCACA
 ACCAGAACAGGCACGGGAGAAAAAATCAAAGTTTCTACTCTGAGGCAAGCACTGGCAAAAAAGACTATCA
 CCAAAGAGGTTCCGGGCAAAAGTCAATCATGGAGACCTGAAAAGCTTGAACCTCGGATTTAGAAGCCCGCA
 GGCAAAGCGCCAACGCAGATGGGAAGATATCTTTAATCAGCATGAGGAAGAATTGAGACAAGTTGATAA
 AGACAAAGAAGATGAATCATCAGACAATGATGAAGATTTTCATTTCGATTCAGGCTGAAGTCCAGATAGAG
 CCATTGAAGCCATACATTTCAAATCCTAAAAAATTTGAGGTTCAAGAGAGATCTCCTTCTGTGCCTAACA
 ACCAGGATCATGCACATCATGTCAAGTTCTCTTCAAGCGTTCCTCAGCGGTCTCTTTTGGAAACAAGTCA
 GAAGCCATTGACATCAGACAAAGGAGTTCGCAAATCGTCAAATTTGGCTGGCAGCATCAGAATCTTCT
 TCTGAGGAAGAAAGTCTGTGACTGGAAGGAGGCTCAGTCATCACCCACTTATTCTACTATTGATCAGA
 AGTTGCTGGTTGACATCCATGTTCCAGATGGATTTAAAGTAGGAAAAATATCACCCCTGTATACTTGAC
 AAACGAATGGGTAGGCTATAATGCACTCTCTGAAATCTTCCGGAATGATTGGTAACTCCGGCACCTGTC
 ATTCAGCCACCTGAAGAGGATGGTGATTATGTTGAACTCTATGATGCCAGTGTGATACTGATGGTGATG
 ATGATGATGAGTCAATGATACTTTTGAAGATACCTATGATCATGCCAATGGCAATGATGACTTGGATAA
 CCAGGTTGATCAGGCTAATGATGTTTGTAAAGACCATGATGATGACAACAATAAGTTTGTGATGATGTA
 AATAATAATTATGAGGCGCTAGTTGTCCAAGGGCAAGCTATGGCAGAGATGGAAGCTGCAAGCAAG
 ATGGTTATGATGGAAGTCTGGAAAAGAGGAAGCCTACAGAGGCTATGGAAGCCATACAGCCAATAGAAG
 CCATGGAGGAAGTGCAGCCAGTGAAGACAATGCAGCCATTGGAGATCAGGAAGAACATGCAGCCAAATATA
 GGCAAGTAAAGAAGAGGCAAGTGGGTTGATGGAGTAAAGGAGTCTTCCAAACCAGTGAAGAGAGTGGAG
 CCCTTGGACTCAATGGAGAAGAAAATTTGCTCAGAGACAGATGGTCCAGGATTGAAGAGACCTGCGTCTCA
 GGACTTTGAATATCTACAGGAGGAGCCAGGTGGTGGAAATGAGGCCTCAAATGCCATTGACTCAGGTGCT
 GCACCGTCAGCACCTGATCATGAGAGTGACAATAAGGACATATCAGAATCACCAACACAATCAGATTTTT
 CTGCCAATCACTCATCTCCTTCCAAAGGTTCTGGGATGTCTGCTGATGCTAACTTGGCAGTGCCATCTT
 ATACGCTGGATTCTGAGAAGTACCTGAGGAATCACCTAAGCAACCCTCTGAAGTCAATGTTAACCCACTC
 TATGTCTCTCCTGCATGTAAAAACCCTAATCCACATGTATGAAAAGGAGTTCACTTCTGAGATCTGCT
 GCGGTTCTTTGTGGGAGTCAATTTGCTGTTGGGAACCCGATCTAATCTATATCTGATGGACAGAAGTGG
 AAAGGCTGACATTAACCTTATAAAGCGAAGACCATTCCGCCAGATTCAAGTCTTAGAGCCACTCAAT
 TTGCTGATTACCATCTCAGGTCATAAGAACAGACTTCCGGTGTATCATCTGACCTGGTTGAGGAACAAGA
 TTTTGAATAATGATCCAGAAAAGTAAAAGAAGGCAAGAAGAAATGCTGAAGACAGAGGAAGCTGCAAAGC
 TATTGATAAGTTAACAGGCTGTGAACACTTCAGTGTCTCCAACATGAAGAAACAACATATATTGCAATT
 GCTTTGAAATCATCAATTCACCTTATGATGAGGCAACAAAGTCTTTGATGAAAGCACTGCTATTAAG
 TATGCATTGATCAATCAGCAGACTCTGAAGGAGACTACATGTCTATCAAGCCTATATACGAATACTGGC
 AAAAATACAGGCAGCTGATCCAGTGAACCGGTTTAAAGAGCAGATGAGCTCCTTCATTTGCTGAAGCTC
 AAGGTATTTCCAACACTTGATCATAAGCCAGTGAAGTGGACTGAGCTTGGCTATTGGTTCTGAAAAAAGACTAA
 AGATTTTCTCAGCTCAGCAGATGGATATCACCTCATCGATGCAGAATCTGAGGTTATGTCTGATGTGAC
 CCTGCCAAAGAATCCCCTGGAAATCATTATACCACAGAATATCATCATTTTACCTGATTGCTTGGGAATT
 GGCATGATGCTCACCTTCAATGTGAAGCCCTCTCTGTGGAAGCAATGAACAACCTTCAAGAAGATCC
 TTGAAATGTGAAAGACATACCATCTTCTATAGCTTTTGAATGTACACAGCGAACCACAGGATGGGGCCA
 AAAGGCCATTGAAGTGCCTCTTTGCAATCCAGGGTCTGGAAAGTGAAGCGCAGGTCATTAAG
 AAGCTGAGATTCCTGTGCACCCGGGTGACAAGCTGTTCTTACCTCTACCCTGCGCAATCACACAGCC
 GGGTTTACTTCATGACACTTGGAAAATGAAGAGCTCCAAGCAATTATGATGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC217240 representing NM_198465
Red=Cloning site Green=Tags(s)

MAGPGGWRDREVTDLGHLDPDTGIFSLDKTIGLGTYGRIYLGHEKTGAFTAVKVMNARKTPLPEIGRRV
RVNKYQKSVGWYSDEEDLRTELNLLRKYSFHKNIVSFYGAFFKLSPPGQRHQLWMVMELCAAGSVTDV
VRMTSNQSLKEGWAIYICREILQGLAHLHAHRVIHRDIKGQNVLLTHNAEVLKVDGVSQAQVSRNNGRRN
SFIGTPYWMapeVIDCEDPRRSYDYRSDVWSVGITAIEMAEGAPPLCNLQPLEALFVILRESAPTVKSS
GWSRKFNHFMEKCTIKNFLFRPTSANMLQHPFVRDIKNERHVVESLTRLHTGIIKKRQKGIPLIFEREE
AIKEQYTVRRFRGPSCTHELLRLPTSSRCRPLRVLHGEPSSQPRWLPDREEPQVQALQQLQGAARVFMPLQ
ALDSAPKPLKGQAQAPQRLQGAARVFMPLQAQVKAKASKPLQMQIKAPPRLRRAARVLMPLQAQVRAPRL
LQVQSQVSKKQQAQTQTSEPQDLQVPEEFQSQDQVPEQQRQQAPEQQQRHNQVPEQELEQNQAPEQPE
VQEQAEP AQAGTEAEPESLRVNAQVFLPLLSDHVVLLPLHLDTQVLIPVEGQTEGSPQAQAWTLEPP
QAIGSVQALIEGLSRDLLRAPNSNNSKPLGPLQTLMENLSSNRFYSQPEQAREKKSKVSTLRQALAKRLS
PKRFGAKSSWRPEKLELSDLEARRRQRQRWEDIFNQHEEELRQVDKDESSDNDDEVFHSIQAEVQIE
PLKPYISNPKKIEVQERSPSVPNNQDHAHHVKFSSVSPQRSLLQEAQKPIDIRQRSSQNRQNWLAAESS
SEEE SPVTGRRSQSSPPYSTIDQKLLVDIHVPDGFVKGI SPPVYLTNEWVGYNALSEIFRNDWLT PAVY
IQPPEEDGDYVELYDASADTDGDDDDSENDTFEDTYDHANGNDDLNDVQDQANDVCKDHHDDNNKFVDDV
NNNYEAPSCPRASYGRDGSCKQDGYDGSRGKEEAYRGYSGHTANRSHGSSAASEDNAAIGDQEEHAANI
GSERRGSEGDGGKGVVRTSEESGALGLNGEENCSETDGPGLKRPASQDFEYLQEEPPGGNEASNAIDSGA
APSAPDHESDNKDISSEPTQSDFSANHSSPSKSGMSADANFASAILYAGFVEVPEESPQKQSEVNVNPL
YVSPACKKPLIHMYEKFTSEICGSLWGVNLLGTRS NLYLMDRSGKADITKLIRRRPFRQIQVLEPLN
LLITISGHKNRLRVYHLTWLRNKLNNDPESKRRQEMLKTEEACKAIDKLTGCEHFSVLQHEETTYIAI
ALKSSIHLYAWAPKSFDESTAIKVICIDQADSEGDYMSYQAYIRILAKIQAADPNRFRKRPDELLHLLKL
KVFPDLTHKPVTVDLAIGSEKRLKIFFSSADGYHLIDA ESEVMSDVTLPKNPLEIIPQNI IILPDC LGI
GMMLTFNAEALSVANEQLFKKILEMWDIPSSIAFECTQRTTGWGQKAEVRSLSQSRVLESELKRRSIK
KLRFLCTRGDKLFFTSTLRNHSRVYFMTLGKLEELQSNYDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8013_g08.zip

Restriction Sites: SgfI-MluI

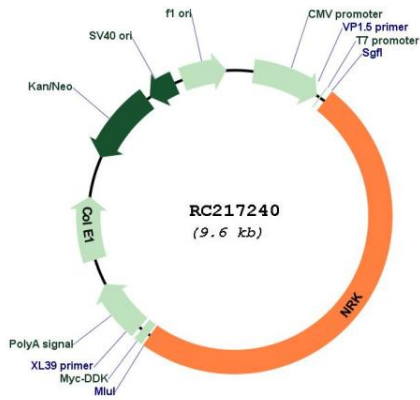
Cloning Scheme:



ACCN: NM_198465

ORF Size:	4746 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:	<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_198465.1 , NP_940867.1
RefSeq Size:	8082 bp
RefSeq ORF:	4749 bp
Locus ID:	203447
UniProt ID:	Q7Z2Y5
Cytogenetics:	Xq22.3
Protein Families:	Druggable Genome, Protein Kinase
MW:	178.3 kDa
Gene Summary:	The mouse ortholog of this gene encodes a protein kinase required for JNK activation. The encoded protein may be involved in the induction of actin polymerization in late embryogenesis.[provided by RefSeq, Jun 2010]

Product images:



Circular map for RC217240