

Product datasheet for **MR220863**

Nktr (NM_010918) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nktr (NM_010918) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nktr
Synonyms:	5330401F18Rik; D9Wsu172e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220863 representing NM_010918 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGCCAGGACCGCCGAGTGTCACTTCGACATCGAGATCAACCGGAACCGTTGGTCAATTA
TGTTTCAGCTCTTCTCAGACATATGTCCAAAAACATGCAAAAACCTCCTATGCCTGTGCTCAGGGGAGAA
AGGCCTTGGGAAAACACTGGGAAGAAGTTATGTTATAAAGGTTCTACATTCACCGTGTGGTAAAAAC
TTTATGATT CAGGGTGGGACTTCAGTGAAGTAATGGAAAAGGTGAGAATCAATTTATGGTGGATACT
TTAAAGATGAAAACCTTTATTCTCAAACATGACAGAGCGTTCCTTTTGCAATGGCAAATCGAGGGAAACA
TACCAATGGTTCCAGTTTTTCATAACTACAAAGCCTGCCTCACACCTGGATGGGGTTCATGTTGTTTT
GGACTGGTAATATCTGGTTTTGAAGTAATTGAACAGATTGAAAATCTGAAAACAGATGCTGCAAGCAGAC
CTTATGCAGATGTCCGAGTTATTGACTGTGGGGTGTGGCCACAAAGTTGACAAAAGATGTTTTTGAGAA
AAAAAGGAAGAAACCAACCTGTT CAGAAGGCTCGGACTCTTCTCCCGTTCCTCTTCTCAGAGTCC
TCCTCAGAGAGTGAAGTTGAGCGAGAGACAATCAGAAGGAGAAGACATAAGAGGAGGCCAAAAAGTCAGAC
ATGCTAAAAAGAGACGGAAAGAAATGAGCAGTTCAGAAGAACCGAGGAGGAAAGCGCACAGTAAGCCCTGA
AGGTTATTCTGAGAGGAGTGTGAATGAAAAAAGATCAGTTGACTCAAACACTAAAAGAGAAAAGCCT
GTTGTCCGCCAGAAAGATTCCAGTTCAGGAGAACCGATTTTTACTTAGAAGAGATATGCCCTGCTA
TCACTGTGGAGCCTGAACAGAACATCCAGATGTTGCACCTGTTGTAAGTGATCAGAAAACCTCTGTATC
AAAGTCTGGACGGAAAATCAAAGGAAGAGGCACGATTTCGCTATCACACACCTCCAAGGTCAAGATCCCAC
TCTGAGTCCAAGATGATGACAGCAGTGAACCCCTCCTCACTGGAAGGAGGAGATGCAGAGACTGAGAG
CCTACAGGCCCCGAGCGGAGAGAAGTGGAGCAAAGGAGACAAGCTGAGTGACCCCTGTTCAAGCCGATG
GGATGAAAGAAGCCTGTCCAGAGATCCAGATCATGGTCTATAATGGATACTATTCAGATCTTAGTACA
GCGAGACACTCTGATGGTACCATAAGAAACACAGAAAAGGAAAAGGTTAAGCATAAAAAAAGGCTA
AAAAGCAGAAACATTGCAGAAGACACAGACAGAAAAAAGGAGAATAGTTATGCCTGATTTGGAACC
CTCAAGATCTCCACCCACCGAATGAAGTCTTGTGTTAGAGAAAGGAGATCTCGTGCCTCCTCTCC



[View online »](#)

TCCTCTCATCACTCATCCAAGCGCGACTGGTCTAAATCAGACCAGGATGACGGGAGTGCTTCAACCCATT
CCAGCAGAGACTCCTACAGATCCAAGTCTCATTACGATCAGATTCTAGAGGGAGCTCTAGATCAAGGGC
TGTGTCAAAGTCTCATCTCGTTCTCTCAACAGATCAAAATCTAGATCTAGTTCAGGTCCAGGTCAGGACCCCGA
AGAACATCAATATCCCCAAAAAACCTGCTCAGCTGAGTGAAAAAAGCCAGTTAAGACAGAACCTTTAA
GGCCGTCACTGCCACAGAATGGAATGTGCTAGTGCAACCAGTGGCAGCAGAAAAACCTTCTGTAAATACC
ATTGAGTGACAGCCCTCCCCCTTAGGTGGAAGCTGGGCAGAAAGCCCTGGAAGCCCTTACGAGCGA
ATTCAGGAGATGAAAGCTAAAACAACCCACTTGTCTGCTGCTCAAAAGCACATACAGCTTAAACAAATATTA
AAGCAACCGTGAGTTCATCATCTTATCACAAAAGAGAAAAACCTTCAGAAAGTGATGGGAGTGCTTATTC
AAAGTACAGTGATAGAAGTCTGGAAGCTCAGGAAGTTCGGGGAGCAAGTCTTCTAGGAGCAGGTATCC
TCCAGGTCTACACAAGGTCAAGGTCAAGAAGTCTCCCTACTTACGCTCACTCTCTAGGTCTCCATCAT
CTAGGTCTCACTACCAAATAAGTACAGTGATGGTTCACAGCACAGTAGGTATCTTCAATACTTCTGT
TAGCAGTGATGATGGAAGACGAGCCATGTTTAGATCCAACAGGAAAAAAGTGTCACTTACATAAAAGA
CATCGCAGCAACTCTGAAAAGACACTTACAGTAAATATGTCAGAGGCAGAGAGAAATCCTCACGTCACA
GAAAGTATAGTAAAAGTAGATCATCTTTAGATTACTTTCAGACAGTGACCAGTCACATGTTCAAGTATA
CTCAGCCCCAGAGAAGGAGAAGCAGGAAAAGTGAAGCATTGAATGATAAGCAGGGGAAAGGCAGAGAA
GAAGGAAAACCCAAGCCTGAATGGGAATGCTCTGTTCTAAAAAGAGAATCCGAAAAGATCACTCTAGAG
ATGACAGTGTTGCCAAAGGGAAGAAATTGTGCGGGGAGTAAATGGGATTCGGAATCAAACCTCAGAACAAGA
TGTGACTAAGAGCAGGAAAAGTATCCCCGGAGAGGTTTCAGAAAAGGAGGAGGTGAAGCCTCTTCAGAC
TCCGAGTCAGAAGTTGGTCAGAGTCACATCAAAGCCAAACCCCGAGAAAGCCTCCAACAAGCACTTTTC
TGCCCCGAGCGACGGTGCCTGGAAGTCTAGGAGACCACAGTCTTCAGCCTCTGAGTCAGAGAGCTCCTG
CTCCAACTTGGGGAACATTAGAGGAGAGCCCCAGAAGCAAAAACACTCAAAGGATGATCTTAAGGGGGAT
CACAAAAAAGGGCAAGAGAGAAGTCAAAGCTAAAAAGACAAAAACACAAGGCTCCAAAACGGAAGC
AAGCTTTCCACTGGCAACCTCCACTCGAGTTTGGTGACGATGAGGAGGAGGAGATGAATGGGAAGCAGT
TACACAGGACCCAAAAGAGAAAAGGCATGTCTCTGAGAAGTGTGAAGCTGTGAAAGACGGCATTCCAAC
GTCGAGAAAACCTGTGATGAAGGCAATTCTCAAGTAAACCCAAGAAGGGTACTTTAGAGCAGGACCCAC
TTGAGAGGGTGGACATGATCCCAGCTCTGTCTGCACCTCTGAAAGTGGAGGACAACCGCCAGCTC
TCCACCTAGCGCCAGCACCTTGAAGAGCATGGCCAGGTGGAGGGGAGGACGTGCTTCAGACAGATGAC
AACATGGAGATTTGCACGCCTGATAGGACTTCCCCTGCAAAGGGAGAGGTGGTGTCCCCTTTAGCAAACC
ACAGGCTAGACAGCCAGAGGTGAACATTATCCAGAGCAGGATGAGTGTATGGCACATCTAGAGCAGG
AGGAGAACAAGAGAGTAGCATGTCTGAAAGCAAGACCTTGGGTGAAAGTGGGGTTAAACAGGACAGCTCT
ACCAAGTGTGACAGTCTGTAGAACTTCTGAAAGAAGGAGGGGCTGAGAAGAGCCAAATGAACCTCA
CAGATAAGTGGAAAGCATTGCAAGGTGTAGGGAATCTGTCAAGTGTCTACTGCAACCACATCCAGTGTCT
GGATGTGAAGGCATTATCTACTGTGCTGAAGTAAACCAAGGCTTGAGGATAGAAATCAAAGCAAAA
AATAAGGTTTCGGCCTGGGTCTCTCTTTGATGAAGTAAAGAAAGACGGCACGCCTAAATCGAAGGCCACGGA
ATCAAGAGAGTTCAGTGATGATCAGACACCTAGTCGGGATGGTATAGCCAGTCCAGGAGTCCACACAG
ATCTCGAAGCAAAATCCGAAACCAATCTCGACACAGAACAAGGTCTGTCTCATACAGTCACTCACGAAGT
CGATCTAGAAGCTCTACGTATCTTACCAGTCAAGAAGTACTCTAGAAGCCGGAGCAGGGACTGGTATA
GCAGAGGCCGAACCCGCAGCCGAGCAGTTCCTATGGAAGTTCCATAGTCACAGGACGTCCAGCAGGAG
CCGGTCCAGGAGCAGCTTATGACCTCCATAGCCGCTCCAGATCCTACACCTACGATAGTACTACAGC
CGGAGTCGTAGCCGACCCGAGCCAGAGGAGTGACAGTTACCATCGGGGTAGAAGTTACAACAGGCGGT
CCAGGAGTGGTAGATCCTATGGCTCAGACAGTGAAGTGACAGAAGTACTCTCATCACCGAGTCCCAG
CGAGAGCAGCAGATACAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220863 representing NM_010918
 Red=Cloning site Green=Tags(s)

MGAQDRPQCHFDIEINREPVGRIMFQLFSDICPKTKCNFLCLCSGEKGLGKTTGKKLCYKGSTFHRVVKNFMIQGGDFSENGKGGESIYGGYFKDENFILKHDRAFLSMANRGKHTNGSQFFITTKPAPHLDGVHVVFGLVISGFEVIEQIENLKTDAASRPYADVRVIDCGVLATKLTkdVFEKRRKKPTCSEGSDDSSSRSSSSSESSESEVERETIRRRRHKRRPKVRHAKRRKEMSSSEEP RRKRTVSEPGYSERSDVNEKRSVDSNTKREKPVVRPEEIPVVPENRFLRRDMPAITVEPEQNI PDVAPVVSQKPSVSKSGRKIKGRGTIRYHTPPRSRSHSESKDDSSSETPPHWKEEMQRLRAYRPPSGEKWSKGDKLSDPCCSRWDERSLSQRSRSWSYNGYSDLSTARHSDGHKKHRKEKKFKHKKKAKKQKHCRHRHQTKKRRIVMPDLEPSRSPTRMKSSCVRERRSRASSSSHSSKRDWSKSDQDDGSASTHSSRDSYRSKSHSRSDSRGSSRSRAVSKSSSRLNRSKSRSSSRSGPRTSISPKKPAQLSENKPVKTEPLRPSVPQNGNVLVQPVAENIPVIPLSDSPPPSRWKPGQKPKWPKPSYERIQEMKAKTTHLLPVQSTYSLTNIKATVSSSYHKREKPESDGSAYSKYSDRSSGSSGRSGKSSSRSSSRSYTRSRSRSLPSTRSLSRSPSSRSHSPNKYSDGSQHSRSSSYTSVSSDDGRRAMFRSNRKS SVTSHKRHSNSEKTLHSKYVVRGREKSSRHRKYSESRSLLDYSSDSQSHVQVYSAPEKEKQKQVEALNDKQKQGREGKPKPEWECPRSKKRTPKDHSRDDSVSKGKNCAGSKWDESNSEQDVTKSRKSDPRRGSEKEEGEASSDSESEVQSHIKAKPPAKPPTSTFLPGSDGAWKSRPQSSASESESSCNLGNIRGEPQKQKHSKDDLKGDHTKRAREKSKAKKDKKKKAPKRKQAFHWQPLEFGDDEEEMNGKQVTQDPKEKRHVSEKCEAVKDGIPNVEKTCDEGSSPSKPKKGTLEQDPLAEGGHDPSSCAPLKVEDNTASSPPSAQHLEEHGPGGGEDVLQTDNMEICTPDRTPAKGEVVSPLANHRLDSPEVNI IPEQDECMAPRAGGEQESSMSESKTLGESGVKQDSSTSVTSVETSGKKEGAEKSQMNLTDKWKPLQGVGNLSVSTATTSSALDVKALSTVPEVKPQGLRIEIKSKNKVRPGSLFDEVKRTARLNRRPRNQESSDDQTPSRDGDQSRSRPHRSRKSSETKSRHRTRSVSYSHSRSRSRSTSSYRSRSRSRSDWYSRGRTRSRSSSYGSFHSHTSSRSRSRSSSYDLHSRSRSYTYDSYYSRSRSRSRQSDSYHRGRSYNRRSRSGRSYGSDESDRSYSHRSPSESSRYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9101_f01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

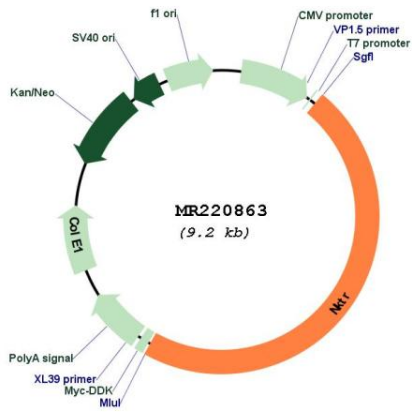


ACCN: NM_010918

ORF Size: 4359 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_010918.2 , NP_035048.3
RefSeq Size:	7026 bp
RefSeq ORF:	4362 bp
Locus ID:	18087
UniProt ID:	P30415
Cytogenetics:	9 72.57 cM
MW:	163.4 kDa
Gene Summary:	PPlase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding. Component of a putative tumor-recognition complex involved in the function of NK cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220863