

Product datasheet for RC218831

NBPF11 (NM_183372) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NBPF11 (NM_183372) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NBPF11
Synonyms:	NBPF24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218831 ORF sequence, codon optimized . Due to the complexity of NM_183372, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTAAAGCAAAATAATATCATTCCCGGAGAAACACAAATTCTCCTGAGGTTACAGGCTGGGAATCAA
AGGTGAATGCTAAAAAGCAGCTGCCAGTGGGCATAAAGTGTGAGCCAATGGATCAGGTGCCCGATTCAAC
TTCTAGCGCAACCAATGTCTCCATGGTGGTTTCCGCAGGGCCATGGTCTTCAGAAAAAGCCGAGATGAAC
ATTCTGGAGATCAACGAAAAGCTGCGCCCGCAGCTGGCTGAGAACAAGCAGCAGTTCGGAACTGAAGG
AACGCTGCTTTCTGACACAGTTGGCGGGTTCCTTGTCTAATAGGCAGAAGAAATACAAATACGAAGAGTG
CAAGGATCTTATCAAATTCATGCTGCGGAACGAGCGCCAGTTTAAAGGAAGAGAACTGGCTGAGCAGTTG
AAACAGGCCGAAGAGCTCCGGCAGTACAAGGTTCTCGTGCACCTCAGGAGCGCAGCTGACCCAGCTGC
GAGAGAACTTAGAGAAGGTCGCGACGCATCACGATCTTAAATGAACATTTGCAGGCACTGCTGACGCC
TGACGAACCCGATAAGTCAAGGCCAGGATTTGCAGGAACAGCTTGCCGAGGGCTGCCGACTGGCCCAA
CACCTTGTACAAAACTGAGCCCGAGAACGACGAAGTGAAGACGAGGATGTCCAGGTGGAAGAAGACG
AGAAGGCTTGGAACTAGTGCCCTAGGGAAGTCCAAAAGGCCGAAGAGTCTAAGGTACCTGAGGATAG
CCTGGAAGAGTGCGCTATCACTTGACGCAACAGCCACGGACCCTGCGATTCAATCCAGCCACATAAAAT
ATCAAAATCACGTTGAGGAAGATAAGGTGAATTCTTCTCTCGTCTGGACCGCAATCTAGTCACGATG
GCTGTCAGGACGCGCTGAACATTCTTCTGTACCGGGACCGACATCTAGCGCAACCAACGTGTAATGGT
TGTGTCTGACGAGCGGTTGAGCTCAGAAAAGCAGAGATGAATATCCTGGAGATAAATGAGAAGTTGTGT
CCTCAACTGGCAGAGAAGAAGCAGCAGTCCGCTCCCTGAAGGAAAAGTGTGTTGTGACGAGGTCGCTT



GCTTCCTGGCCAAACAGCAGAATAAATACAAATATGAGGAATGCAAAGATCTCATCAAAGTATGTTGAG
 GAACGAGCGACAGTTTAAAGGAAGAAAAATTGGCAGAACAGTTGAAGCAGGCAGAGGAACTGCGACAATAT
 AAGGTCTTGTGCACTCTCAGGAAAGGGAAGTACTCAGCTCAGAGAGAAGTTGAGGGAGGGCCGCGACG
 CTTCTAGTCCCTCAATGAACACTTGCAAGCGCTTCTGACACCCGACGAGCCAGATAAATCACAAGGCCA
 GGACCTGCAGGAACAACCGCGGAGGGCTGCCGCTGGCCAGCACCTGGTACAGAAGCTTTCCCTGAG
 AACGACAATGACGACGACGAGGACGTTCAAGTAGAAGTAGCTGAGAAGGTTGAGAAATCAAGCAGCCAA
 GAGAAATGCAGAAAGCAGAAAGAAAAGGAAAGTCCCGAGGACAGCCTCGAAGAATGCGCCATAACATGTTT
 CAACAGCCATGGCCCTTATGATAGCAATCAGCCACAGAAAGACCAAGATCACATTGAAAGAGGATAAA
 GTCGACTCCACCTTGATCGGGTCCAGCTCCCATGTGCAATGGGAGGACGCTGTCCATATCATTCCAGAGA
 ACGAATCAGACGACGAGGAGGAGGAAGAAAAGGACCTGTGAGCCCTCGAAACCTGCAAGAATCTGAAGA
 AGAAGAGGTGCCCGAGGAGACTGGGATGAGGGCTACTCAACTCTGAGCATTCCCTGAGAGGCTGGCG
 AGTTACCAGAGTTATAGTAGCACTTTCCATTCACTGGAAGAGCAGCAGGTCTGTATGGCTGTGGACATAG
 GTAGGCATAGGTGGGATCAAGTGAAGAAGGAAGACCAAGAGGCCACCGGCCACGCTGTCTCGCGAATT
 GTTGGACGAAAAGAACCTGAAGTGTGCAGGATAGCCTGGATCGGTGCTATAGCACGCCAAGTGTGTAC
 CTGGGCTTGACAGATTCTGTCAACCATACAGGTGAGCATTCTAGCTTCTGAGCAGCAGAGAATCGGCC
 TGGCGGTGACATGGATGAGATTGAGAAGTACCAGGAGGTAGAAGAAGACCAGGATCCGAGCTGTCCAAG
 GCTGTCCCGAGAGCTCCTGGCTGAGAAGGAGCCGAAAGTCTCCAGGACTCTCTCGATCGGTGTTATTCA
 ACACCAAGCGGTTACCTTGAATTGCCCGACCTGGGACAGCCATACCGGAGCGCGGTGATTCTCTCGAGG
 AACAGTACTTGGGTCTGGCTCTGGACGTCGATCGAATCAAGAAAGATCAGGAGGAGGAAGAAGATCAGGG
 ACCTCCATGCCCCAGACTTTCAAGGGAAGTCTCGAGGTTGTGCAACCCGAGGTTCTCCAAGATAGCCTC
 GACGTGATTCAACTGCTGCCAGTTGTGCTCAACAGCTTGACACCTGCTAGCCCTACTGAGGTGCCTTTTA
 TGCATTGGAGAAAGAATATGTTGGCATTCTCCTTACATGGGAGAAGCTTAAACGGCGCGCCGCGGACG
 CAAGGAAGGAGAGGAAGATCAGAGAAGGAAGAGGAGGGGGAGGAGAAAAAGGCCAAGAAAATAAAGACA
 CATCACGCTCTGGAAGTGCCGCTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218831 representing NM_183372

Red=Cloning site Green=Tags(s)

MVKQNNIIPGETQILLRFTGWESKVNAAKQLPVGIKCEPMDQVPDSTSSATNVSMVVSAGPWSSEKAEMN
 ILEINEKLRPQLAENKQQFRNLKERCFLTQLAGFLANRQKYYEEDKDLIKFMLRNERQFKEEKLAEQL
 KQAEELRQYKVLVHSQERELTQLREKLREGRDASRSLNEHLQALLTPDEPDKSQGQDLQEQLAEGCRLAQ
 HLVQKLSPENDEDEDEDVQVEDEKVLLESSAPREVQKAEESKVPEDSLEECAITCSNSHGPCDSIQPHKN
 IKITFEEDKVNSSLVVDRESSHDGCQDALNILPVPGPTSSATNVSMVVSAGPLSSEKAEMNILEINEKLC
 PQLAEKKQQFRSLKEKCFVTQVACFLAKQNKYYEEDKDLIKSMLRNERQFKEEKLAEQLKQAEELRQY
 KVLVHSQERELTQLREKLREGRDASRSLNEHLQALLTPDEPDKSQGQDLQEQLAEGCRLAQHLVQKLSPE
 NDNDDEEDVQVEVAEKVQKSSSPREMOKAEEKEVPEDSLEECAITCSNSHGPYDSNQPHRKTITFEEDK
 VDSTLIGSSSHVEWEDAVHIIPENESDDEEEEEKGPVSPRNLQSEEEEEVPQESWDEGYSTLSIPPERLA
 SYQSYSSTFHSLQVCMVAVDIGRHRWDQVKKEDQEATGPRLSRELLDEKEPEVLQDSLDRCYSTPSVY
 LGLTDCQPYRSFYVLEQQRIGLAVDMEIEKYQEVEEDQDPSCPRLSRELLAEKEPEVLQDSLDRCY
 TPSGYLELPDLGQPYRSVYVLEEQYLGLALDVRIDKQEEEDQGPSCPRLSRELLVEVEPEVLQDSL
 DVIQLLPVVLNSLTPASPTVEPFMHWRKNMLAFLLTWEKLRGRGRKEEEDQRRKEEGEEKKGIKT
 HHAPGSAAC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_183372

ORF Size: 2757 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:

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.

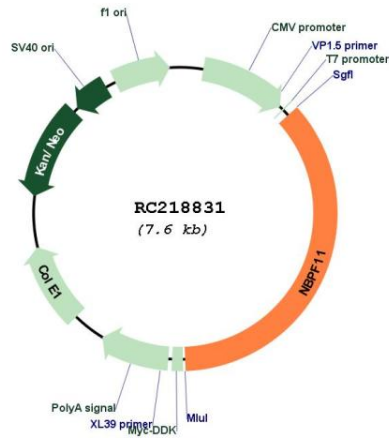
RefSeq: [NM_183372.4](#), [NM_183372.5](#), [NP_899228.4](#)

RefSeq Size: 5483 bp

RefSeq ORF: 2598 bp

Locus ID: 200030
 UniProt ID: [Q86T75](#)
 Cytogenetics: 1q21.2
 MW: 105.3 kDa

Product images:



Circular map for RC218831