

Product datasheet for **RC219505**

NPIP (NPIPA1) (NM_006985) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPIP (NPIPA1) (NM_006985) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NPIP
Synonyms:	morpheus; NPIP; NPIPA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC219505 ORF sequence, **codon optimized**.
 Due to the complexity of NM_006985, 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)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**

ATGTTTTGTTGCCTGGGCTATGAATGGCTGAGCGGCGGGTGAAGACATGGCATTACAGTATGGGTGATTATACACTCGCCGACCACAGGCACCGCGGTACGGACTTTGGGGGTCCCATGGCTGCTTATCATTACCGTATTCCTCCGGTCATAAAGTTCGCTATCAGTCTCTGTACATCTTACCTTTGCGTATCATTCTGAAGACCATTTTCCCATCTCAGAATGGCCACGACGGGAGCACTGATGTCCAGCAAAGAGCTAGAAGGAGTAACCGGCCCGGCAGGAGGCATCAAGATCGTGTGGAGGATATTTTACACTGTGGAGGCAGGTGGAAACCAAGGTAAGGGCCAAGATACGCAAGATGAAAGTCAAACTAAGGTCAATCGGCACGATAAAATCAATGAAAAGAGAAGACCGCAAAGGAACATCTGCGCAAGCTCCATGAAGGAGAGAGACGCGGGAGAAAGAACGGCAAGTCAGCGAAGCAGAGGAGAACGAAAAATTGGACATGAAAGAGATTCACACCTATATGGAGATGTTTCAGCGAGCGCAGGCTCTGCGGAGAAGAGCGGAAGATTATTACAGATGTAATAATACCCCTCAGCGAGAAAGCCCTGTGTAAACAGAGTACGAATGGCAGCTGTGGAACATAGACTCAAGCGGCTTGCCTATTGGCCCTATCTACGGCCGAGACCTTGAAGAATCGAATGGGCCACCGCCACCTCCCCCACCAGCAACACAGCATTATGACAACCTCCCTGAGTCTGAAAACCTCCCTCAGAGTGTCTGCTGACCCCTCTGCCGCTTCTGCCCTCCCTTCCGCGGATGACAACCTCAAGACCCTGCGGAATGCCTGTTGTATCCCTTGCCTCCATCCGCCGACGATAACCTGAAGACCCCTCCTGAGTGTCTCTCACGCCACTTCCCCGCTGCTCCGCCAAGCGTCGACGACAACTGAAAACCCCTCCAGAGTGCCTGTGCAGCTTGCATTTCATCCACAGCGGATGATCATCAGCAGAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219505 representing NM_006985
 Red=Cloning site Green=Tags(s)

MFCCLGYEWLGGCKTWHSWVINTLADHRHRGTDFFGGSPWLLIITVFLRSYKFAISLCTSYLCVSFLKTIFPSQNGHDGSTDVQQRARRSNRRRQEGIKIVLEDFITLWRQVETKVRAKIRKMKVTTKVNHRDKINGKRKTAKEHLRKL SMKEREHGEKERQVSEAEENGLDMKEIHTYMEMFQRAQALRRRAEDYYRCKITPSARKPLCNRVMAAVEHRHSSGLPYWPYLTAETLKNRMGHQPPPTQHSIIDNSLSLTKTPSECLLTPLPPSALPSADDNLKTPAECLLYPLPPSADDNLKTPPECLLTPLPPSAPPSVDDNLKTPPECVCSLPFHPQRMII SRN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_006985

ORF Size: 1050 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_006985.1](#), [NM_006985.2](#), [NM_006985.3](#), [NP_008916.1](#), [NP_008916.2](#)

RefSeq Size: 1088 bp

RefSeq ORF: 1053 bp

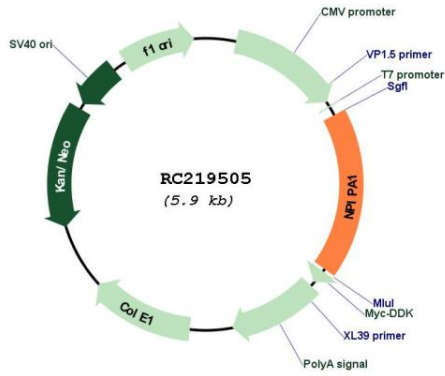
Locus ID: 9284

UniProt ID: [Q9UND3](#)

Cytogenetics: 16p13.11

MW: 40.1 kDa

Product images:



Circular map for RC219505