

Product datasheet for **RG207835**

NKAPL (NM_001007531) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	NKAPL
Synonyms:	bA424I5.1; C6orf194
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG207835 representing NM_001007531
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCCCAGTATCCCGGTCCAGCTATTCCGAGGACATCGTGGGCTCTCGGAGAAGGCGACGCAGCTCCT
CGGGGAGCCCACCATCCCCGACAGAGCAGATGTTCTCTTGGGATGGCTGTTCCCGCTCTCACTCCCGCGG
CCGTGAGGGCCTCAGGCCTCCTTGGAGTGAGTTGGACGTGGGCGCTCTTACCCCTTTAGTCGCTCTGGG
TCGCGAGGGCGGCTCCCAAGATTCCGCAACTACGCCTTCGCGTCTCTGGTGCACCTCGTATAGTGGAT
ATCGCTGCCATCGTCACTGCTATGCAGAAGAACGGCAGTCAGCGGAAGACTACGAGAAGGAAGAGAGCCA
TCGGCAGAGGAGGCTGAAGGAGAGAGAGAGGATTGGGGAATTGGGAGCGCCTGAAGTGTGGGGCCGTCT
CCAAAGTTCCTCAGCTAGATTCTGACGAACATACCCAGTTGAGGATGAAGAAGAGGTAAACGCATCAGA
AAAGCAGCAGTTCAGATTCCAACTCGGAAGAACATAGGAAAAAGAAGACCAGTCGTTCAAGAAACAAGAA
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AGAGGACTTGTGAGAAGCTACCTGGATGGAGCAGCCAAATGTGGCAGATACTATGGATTTAATAGGGCCA
GAAGCACCTATAATACATACCTCTCAAGATGAAAAACCTTTGAAGTATGGCCATGCTTTGCTTCCCGGTG
AAGGTGCAGCTATGGCTGAGTATGTAAGCTGGAAAGCGAATCCACGAAGAGGTGAAATTGGGTTGAC
AAGTGAAGAGATCGGTTCTTTGAATGCTCAGGTTATGTCATGAGTGGTAGCAGGCATCGCAGAATGGAG
GCTGTACGACTGCGTAAGGAGAACCAGATCTACAGTGTGATGAGAAGAGAGCTTTGCATCCTTTAAC
AAGAAGAGAGACGAAAGAGAGAAAGTAAGATTTTAGCCAGTTTCCGAGAGATGGTGCACAAAAGACAAA
AGGGAAGATGACAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



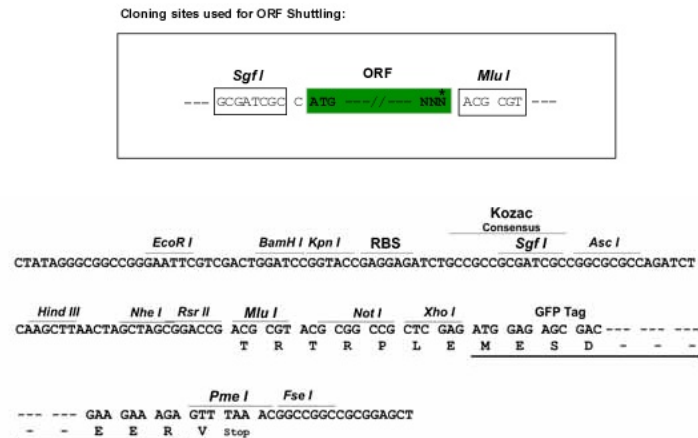
Protein Sequence: >RG207835 representing NM_001007531
 Red=Cloning site Green=Tags(s)

MPPVSRSSYSIEDIVGSRRRRRSSSGSPSPQSRCSWDGCSRSHSRGREGLRPPWSELDVGALYPFSRSG
 SRGRLPRFRNYAFASSWTSYSGYRCHRCYAEERQSAEDYEKEESHRRRLKERERIGELGAPEVWGPS
 PKFPQLDSEHTPVEDEEVTHQKSSSDSNSEHRKKKTSRNRNKKRKNKSSKRKHRYSDSDSNSES
 DTNSDSDDDKKRVKAKKKKKKKHKTKKKKNKTKKESDSSCKDSEEDLSEATWMEQPNVADTMDLIGP
 EAPIIHTSQDEKPLKYGHALLPGEGAAMAEYVKAGKRIPRRGEIGLTSEEIGSFECSGYVMGSRHRRME
 AVRLRKENQIYSADEKRALASFNQEERRKRESKILASFREMVHKKTKGKDDK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001007531

ORF Size: 1206 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001007531.1](#), [NP_001007532.1](#)

RefSeq Size: 1639 bp

RefSeq ORF: 1209 bp

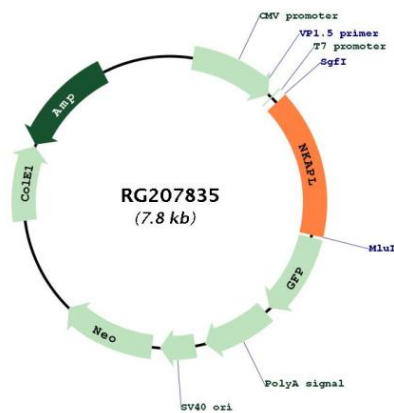
Locus ID: 222698

UniProt ID: [Q5M9Q1](#)

Cytogenetics: 6p22.1

Gene Summary: Transcriptional repressor of Notch-mediated signaling. Required for spermatogenesis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207835