

Product datasheet for **RG206904**

FAM126B (NM_173822) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FAM126B
Synonyms:	HYCC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG206904 representing NM_173822
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGGGAAGTACCGTTGTGTTGTGGAAGAATGGTTATCAGAATTCAGGCATTACCTGACACTCAGA
 TCACCAGTTATGCAGCAACTTTACACCGAAAAAACACTTGTACCAGCCCTCTATAAAGTTATTCAAGA
 TTCAAATAATGAGCTCCTGGAGCCTGTCTGCCATCAGCTGTTTGTAGCTCTATCGTAGCTCAGAGGTTCTGA
 CTTAAGAGGTTACACTGCAGTTCTTGCCAGAATTGATGTGGGTTTATTACGGCTTACAGTTAGCCGAG
 ACAGACAGAGTAATGGTTGCATTGAAGCACTTCTGTTAGGAATTTACAATTTGGAAATCGTGATAAAGA
 TGGGAACAATAAAGTTCTGTCTTTCACTATCCCTCCTTATCCAAGCCTTCAATATACCATGAACCTTCA
 ACAATTGGATCCATGGCTTTGACAGAAGGGGCATTGTGTGAGCATGATCTCATCAGAGTTGTTTATAGTG
 ATCTTCATCCTCAGAGGAAACATTCACTGCACAGAACCGGTTTGAAGTCTGAGTTTTCTCATGCTGTG
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 CTGAATTTATGGTGCAACTTCTCACAGGGGTTTATTATGCCATGTATAATGGACAGTGGGACCTTGCCCA
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 GAGAAGAGAAGGTGCTGAGGGTGTAATGGAGGAGAGGAGTCTGTAACCTGAATGATGCAGATGAAGGA
 TTTTCATCAGGGGCTTCCCTCAGCAGTCAGCCAATTGGGACCAACCATCCTCCTCTTCTCAGAGGGGAA
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 GAGCTGACACCAATGAAGAAACACCTGAGCCTGCCTGCTGGCCAGGTGGTGCCAAAAATCAATAGCTTAA
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 CAGCATTGGGGTTGGCACTGAGGGAGGTACTAATTTAGCAGCCAACAATGCTAATCGATACTCAACTGTC
 AGTCTGCAGGAAGACCGGCTAGGTCAAGCTGGCGAAGGTAAGAGCTCCTCAGCCAGGAGCCCTTGA
 CCAAGCAGTCTCGATCCCAAGTTTCAATATGCAGCTAATATCCAGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

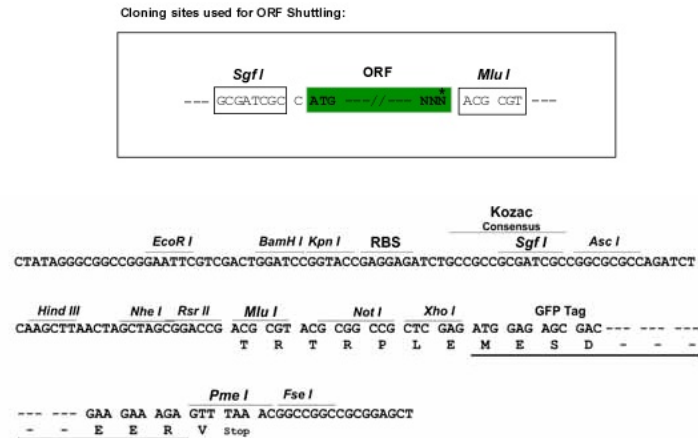
Protein Sequence: >RG206904 representing NM_173822
 Red=Cloning site Green=Tags(s)

MLGTDRCVVEEWLSEFKALPDTQITSYAATLHRKKTLPALYKVIQDSNNELLEPVCHQLFELYRSSEVR
 LKRFTLQFLPELMWVYLRLTVSRDRQSNQIEALLLGIYNLEIADKDGNNKVLSTFIPSLSKPSIYHEPS
 TIGSMALTEGALCQHDLRVVYSDLHPQRETFTAQNRFEVLSFLMLCYNSAIVYMPASSYQSLCRMGRSV
 CVSGFPRQHEKHWKELCGRIVLDPEFMVQLLTGVYAMYNGQWDLGQEVLDIIYRAQLELFSQPLL VAN
 AMKNSLPFDAPDSTQEGQKVLKVEVTPVPRISRTAITTASIRRHRRWRREGAEGVNGGEESVNLNDADEG
 FSSGASLSSQPIGTKPSSSSQGRSLRKVATGRSAKDKETASAIKSSSPRDSVVRKQYVQPTDLSVDSV
 ELTPMKHLSLPAGQVVPKINSLSLIRTASASSKSFYVNGSQASTSIGVGTEGGTNLAANNANRYSTV
 SLQEDRLGQAGEGKELSPGAPLTKQSRSPSFMQLISQV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173822

ORF Size: 1590 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.

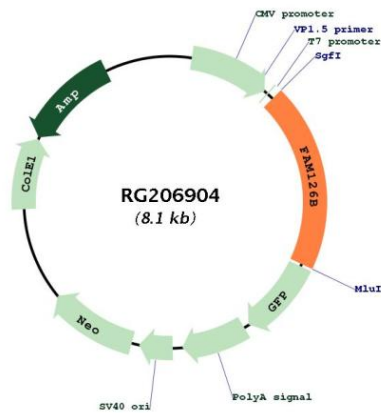
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173822.2](#)

RefSeq Size: 4002 bp

RefSeq ORF:	1593 bp
Locus ID:	285172
UniProt ID:	Q8IXS8
Cytogenetics:	2q33.1
Gene Summary:	Component of a complex required to localize phosphatidylinositol 4-kinase (PI4K) to the plasma membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206904