

Product datasheet for **MR208500**

Fam126b (NM_172513) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fam126b
Synonyms:	C130065N10Rik; D1Ert53e; D630010C10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR208500 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGGGATCGGAACGAGCTGTTGTGGAAGAATGGTTATCAGAATTCAGGCATTACCTGACACTCAGA
 TTACCAGTTATGCAGCAACCTTGCACCGAAAAAGCCCTTGACCAGCTCTCTATAAAGTTATTAGGA
 TTCAAACAATGAGCTCCTGGAGCCTGTCTGCCACCAACTGTTTGAGCTCTATCGTAGCTCTGAAGTTCTGA
 CTTAAGAGGTTACACTGCAGTTCTCGCCGAATTGATTTGGGTTTATTGCGACTTACAGTTAGTAGAG
 ACAGGCAGAGCAATGGCTGCATTGAAGCACTTCTCCTAGGAATTTATAATTTGGAAATTGCTGATAAAGA
 TGGAAACAATAAAGTGCTGTCTTCTCACTATCCCTTCTTGCTAAGCCTTCAATATACCATGAACCTCA
 ACAATTGGATCCATGGCTTTGACAGAAGGGGCATTATGTGAGCATGATCTCATCAGGTTGTTTACAGTG
 ATCTTCATCCTCAGAGAGAAACATTCACTGCACAGAACCGGTTTGAAGTCTAAGTTTCTCATGCTGTG
 CTATAATTCAGCGATTGTGTATATGCCTGCATCATCTTACCAATCTCTTGTGCGGATGGGTTCCAGGTT
 TGCGTGAGTGGGTTTCCACGACAACATGAGAAACAGTGAAGGAGCTCTGTGGTCAATTGTATTAGATC
 CCGAATTTATGGTGCGACTTCTCACAGGAGTTTACTATGCCATGTATAATGGACAGTGGGACCTTGGCCA
 GGAAGTACTTGATGACATCATTTACAGAGCTCAGCTAGAACTCTTTTCTCAGCCACTCTTGGTGGCAAAT
 GCCATGAAAAATTCATTACCATTTGATGCACCTGACTCTTCAAGAAGGCCAGAAAGTACTTAAAGTGG
 AAGTCACTCCAACAGTGCCGAGAATTTCTCGGACTGCAATTACAACAGCTTCAATTCTGTCGTCATAGATG
 GAGAAGAGAAGGTGCTGAGGGTCTAAATGGCGGAGAGGAGTCTTAAACATGAATGATGCAGATGAAGGA
 TTTTCATCAGGGGCTTCTCTTAGCAGCCAACCATGGGACCAAACACCCTCTCTTCTCAGCGGGGAA
 GCTTGCGGAAAGTAGCAACTGGGCTTCCGCCAAGACAAAGAAACAGCATTAGCCATCAATCCAATGA
 GAGCCCTCGAGATTCAGTAGTTGGAAGCAGTTTGTACAACAACAGCAGATCTCAGCATAGATTAGATT
 GAGCTGACACCGATGAAGAAACACTTGAGCCTGCCTGCAGGCCAGGTGGTGGCAAAAACCAATAGTCTGA
 GTCTAATCCGACAGCCAGTGCTTCTCAAGTAAATCTTTGACTATGTAATGGCGGTCAAGCAAGTAC
 CAGCATTGGGGTTGGCACTGAGGGAGTTACTAATCTAGCAGCTACAATGCTAATCGATATTCAACTATC
 AGTCTACAAGAAGACCGGCTAGGTACGCTGGTGAAGGTAAGAGCTCTCAGCCAGGAGCCCTTAA
 CCAAGCAGTCTCGATCCCAAGTTTCAATATGCAGCTAATATCCAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR208500 protein sequence
 Red=Cloning site Green=Tags(s)

MLGSERAVVEEWLSEFKALPDTQITSYAATLHRKKALVPALYKVIQDSNNELLEPVCHQLFELYRSEVR
 LKRFTLQFLPELIWVYLRLLTVSRDRQSNCGIEALLLGIYNLEIADKDGNNKVLSTIPSLSKPSIYHEPS
 TIGSMALTEGALCQHDLIRVVYSDLHPQRETFTAQNRFEVLSFLMLCYNSAIVYMPASSYQSLCRMGSRV
 CVSGFPRQHEKQWKELCGRIVLDPEFMVRLLTGYYAMYNGQWDLGQEVLDIIYRAQLELFSQPLL VAN
 AMKNSLPFDAPDSSQEGQVKLVKEVPTVPRISRTAITTASIRRHRRWRREGAELNGGEESLNMNDADEG
 FSSGASLSSQPHGTPKPPSSQSGSLRKVATGRSAKDKETALAISNESPRDSVVGKQFVQQQADLSIDSV
 ELTPMKKHLSPAGQVVPKTNLSLIRTSASSSKSFDYVNGGQASTSIGVGTGVTNLAATNANRYSTI
 SLQEDRLGHAGEGKELLSPGAPLTKQSRSPSFNMQLISQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172513

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_172513.2](#), [NP_766101.2](#)

RefSeq Size: 8695 bp

RefSeq ORF: 1593 bp

Locus ID: 213056

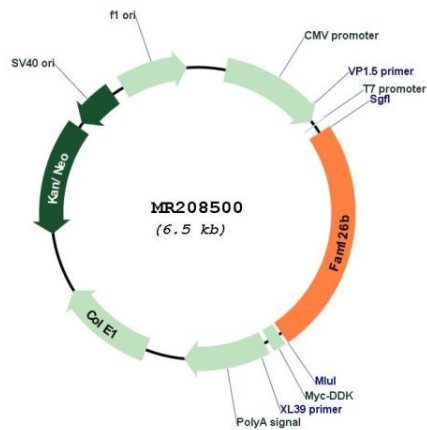
UniProt ID: [Q8C729](#)

Cytogenetics: 129.12 cM

MW: 58.6 kDa

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 MR208500