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Product datasheet for MR208168

Fip1l1 (BC003263) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fip1l1 (BC003263) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fip1l1
Synonyms:	1300019H17Rik; Rje
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR208168 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGGCCGGCGAGGTGGAGCGCCTGGTGGAGCTGAGCGGCGGGACCGGAGGGGATGAGGAGGAAGAGT
GGCTGTATGGCGGCCCGTGGGACGTGCATGTGCACAGTGACTTGGCAAAGGATCTAGATGAGAATGAAGT
TGAAAGGCCAGAAGAAGAAAATGCCAGTGCTAATCCTCCATCTGGAATTGAAGAAGAAGCTGCTGAAAAT
GGCGTGGCAAAACCGAAAGTGACAGAGACTGAAGACGACAGTGATAGTGACAGTGACGATGATGAAGATG
ATGTTCACGTCACTATAGGAGACATCAAAACAGGAGCACCACAGTATGGGAGTTATGGAACAGCACCAGT
AAATCTTAATATCAAGGCAGGGGGAAGAGTTTATGGAAATACAGGAACCAAAGTCAAAGGAGTGGACCTC
GATGCACCTGGCAGCATTAATGGAGTTCCACTCTTGGAAGTAGATCTGGATTCTTTTGAAGATAAACCAT
GGCGGAAACCTGGTGCTGATCTTTCTGATTATTTTAACTATGGCTTTAATGAAGATACTTGGAAAGCTTA
CTGTGAAAAACAAAAGAGGATACGAATGGGACTGGAAGTTATACCTGTTACTTCAACCACAAACAAGATT
ACGGCCGAAGACTGTACTATGGAAGTTACACCAGGTGCAGAGATCCAAGATGGCAGATTCAATCTTTTTA
AGGTACAGCAAGGGAGAACTGGAAATTCAGAGAAAGAAGCAGCACTTCCATCTACAAAAGCTGAGTTTAC
TTCTCCGCCATCATTGTTCAAGACTGGTCTGCCACCAAGCAGAAACAGCACCTCTTCTCAGTCTCAGACA
AGTACTGCCTCCAGAAAAGCCAGTTCAAGCGTTGGGAAGTGGCAGGATCGATATGGGAGGGCCGAGTCAC
CTGATCTAAGGAGATTACCTGGAGCAATTGATGTCATTGGTCAAACAATAACCATCAGCCGAGTGGAAGG
AAGACGGCGTGCAAATGAGAACAGCAATATACAGGTCCTTTCTGACAGATCTGCCACTGAAGTAGACAAC
AATTTCAGCAAACCACCTCCATTTTTCCCTCCAGGGGCTCCTCCTACTCACCTTCCTCCTCCTCCATTTC
TCCCACCACCTCCAACTGTCAGCACCGCCCCACCTCTCATTCCACCACCAGGTTTCCCCCCTCCACCAGG
CGCCCCACCTCCATCTCTTATACCAACAATAGAAAGTGGCCATTCCTCCGGGTATGACAGCCGTTCTGCA
CGAGCGTTTCCCTATGGCAATGTCGCCTTTCCCCACCTTACCAGTTCTGCTCCCTCATGGCCGAGCCTTG
TGGACACCACCAAGCAGTGGGACTATTATGCAAGGAGAGAAAAAGACCGAGACCGAGACCGGGAGAGAGA
CCGAGACAGAGAGCGAGAGCGGGACCGGGACAGAGAAAGGGAGCGCACCCGGGAGCGGGAGCGAGAGCGC
GACCACAGCCCCACCCCAAGTGTTTTCAACAGGTTTGTTGGGTGTGCGGGGCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

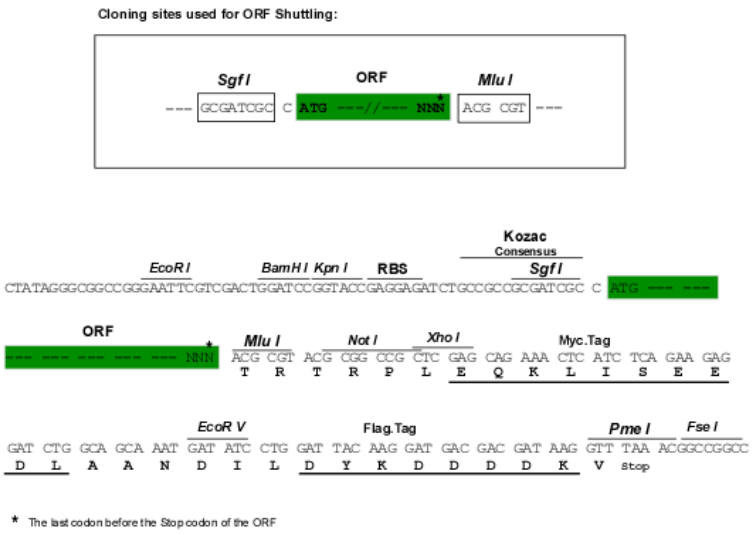
>MR208168 protein sequence
Red=Cloning site Green=Tags(s)

MSAGEVERLVELSGGTGGDEEEEWLYGGPWDVHVHSDLAKDLDENEVERPEEENASANPPSGIEEEAAEN
GVAKPKVTETEDDSDSDSDDDEDDVHVTIGDIKTGAPQYGSYGTAPVNLNIKAGGRVYGNTGTKVKGVDL
DAPGSINGVPLLEVDLDSFEDKPWRKPGADLSDYFNYGFNEDTWKAYCEKQKRIRMGLEVIPVTSTTNKI
TAEDCTMEVTPGAEIQDGRFNLFKVQQGRTGNSEKEAALPSTKAEFTSPPSLFKTGLPPSRNSTSSQSQT
STASRKASSSVGKWQDRYGRAESPDLRRLPGAIDVIGQTITISRVEGRRRANENSNIQVLSDRSATEVDN
NFSKPPPFFPPGAPPTHLPPPPFLPPPPTVSTAPPLIPPPGFPPPPGAPPPSLIPTIESGHSSGYDSRSA
RAFPYGNVAFPHLTSSAPSWPSLVDTTKQWDYYARREKDRDRDRERDRDRERERDRDRERERTRERERER
DHSPTPSVFNRFVGCAGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC003263

ORF Size: 1524 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: BC003263, AAH03263

RefSeq Size: 2109 bp

RefSeq ORF: 1526 bp

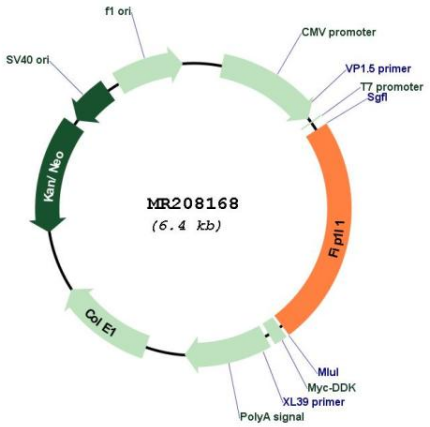
Locus ID: 66899

Cytogenetics: 5 C3.3

MW: 55.8 kDa

Gene Summary: Component of the cleavage and polyadenylation specificity factor (CPSF) complex that plays a key role in pre-mRNA 3'-end formation, recognizing the AAUAAA signal sequence and interacting with poly(A) polymerase and other factors to bring about cleavage and poly(A) addition. FIP1L1 contributes to poly(A) site recognition and stimulates poly(A) addition. Binds to U-rich RNA sequence elements surrounding the poly(A) site. May act to tether poly(A) polymerase to the CPSF complex (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208168