

Product datasheet for MR211706

Pkp4 (NM_175464) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pkp4 (NM_175464) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pkp4
Synonyms:	5031422I09Rik; 9430019K17Rik; Armrp; p0071
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211706 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGCCCTGAACAGGGCTCACTGGTGGAGGAGGGGCAACCACAGACCCACCAGGAAGCTGTCTCCA
CTGGCCAGGCATGGAACCCGAGACCACAGCCACCCTATTCTAGCTTCCGTGAAGGAGCAGGAGCTTCA
GTTTCAACGACTACCCGAGAAGTGAAGTGGAAAGGCAGATTGTTGCCAGTCAGCTAGAAAGATGTAGG
CTTGGAGCAGAATCGCCAAGCATCGCCAGCACCAGCTCAACTGAAAAGTCATTTCTGGAGATCAACAG
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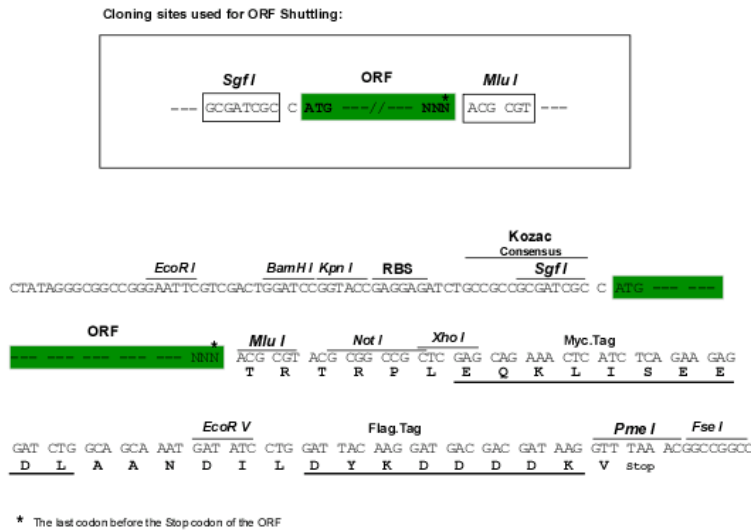
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Protein Sequence: >MR211706 protein sequence
 Red=Cloning site Green=Tags(s)

MPAPEQGSLVEEGQPQTHQEAVSTGPGMEPETTATTILASVKEQELQFQRLTRELEVERQIVASQLERCR
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 GNSRSSTQMNSYSDSGYQEAGSFHNSQTVNKADSRQHPFTGTSNHVVRTSRAEQTLVQPSVANRAMRR
 VSSVPSRAQSPSYVTSTGVSPSRGSLRSLGSGFGSPVTDNRPLNPSAYSSSTLPAQRAASPYQRPAS
 PTAVRRVGSVTSRQTSNPNGVPVQYQTTTRVGSPLTLTDAQTRVAVSPSQGQVGSSSPKRSGMTAVPQHLG
 PSLQRTVHMDQFGQQQYDIYERMVPPRPDSLTLGRSSYASQHSQLGQELRSVAVSFDLHITPIYEGRTYY
 SPVYRSPNHGTVELQGSQTALYRTGSGVIGNLQRTSSQRSTLTQYRNNYALNTAATYAEPYRPVQYRVQE
 CSYNRLQHTGPADDGATRSPSIDSIQKDPREFAWRDPELPEVIHMLQHQPFSVQANAAAYLQHLFCGDNK
 VKMEVYRLGGIKHLVDLLDHRVLEVQKNACGALRNLVFGKSTDENKIAMKNVGGIPALLRLLRKSIDA
 EVRELVTGVLWNLSSCAVKMTIIRDALSTLTNTVI VPHSGWNNSSFDDHKIKFQTSVLVRLNTTGCLRNL
 SAGEEARKQMRSCGLVDSLLYVIHTCVNTSDYDSKTVENCVCTLRNLSYRLELEVPQARLLGLNELDDL
 LGKESPKDSEPCWGGKKKKKKRTPQEDQWDGVPPIGLSKSPKGVEMLWHPVVKPYLTLLAESNP
 TLEGSAGSLQNL SAGNWKFAAYIRAAVRKEKGLPILVELLRMDNRVSSVATALRNMALDVRNKELIGK
 YAMRDLVNRLPGNGPSILSDETVAAICCALHEVTSKNMENAKALADSGGIEKLVNITKGRGDRSSLKVV
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 ISSYSSPAREQNRLQHQLYYQDDSTRKTLDAYRLYLQSPRSYEDPYCDDRVHFPASTDYSTQYGLKST
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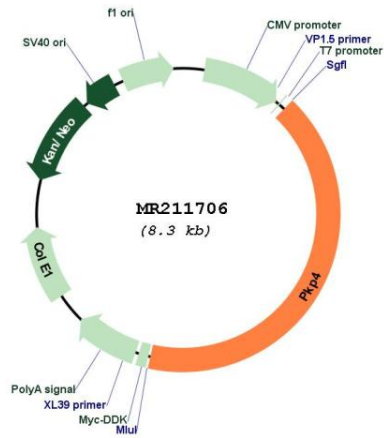
Restriction Sites: SgfI-MluI
Cloning Scheme:



ACCN: NM_175464
ORF Size: 3444 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:	<ol style="list-style-type: none">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_175464.2 , NP_780673.2
RefSeq Size:	4513 bp
RefSeq ORF:	3444 bp
Locus ID:	227937
UniProt ID:	Q68FH0
Cytogenetics:	2 C1.1
MW:	126.8 kDa
Gene Summary:	Plays a role as a regulator of Rho activity during cytokinesis. May play a role in junctional plaques (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211706