

Product datasheet for MR211989

Cpsf1 (NM_053193) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpsf1 (NM_053193) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpsf1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211989 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGTACGCGGTGTACAAGCAGGCGCACCCGCCACCGGGCTGGAGTTTACCATGTACTGCAACTTCTTCA
ACAACAGTGAGCGCAACCTCGTGGTGGCCGGCACCTCGCAGCTCTATGTGTACCGCTGAACCGCGACGC
CGAGGCTCTGACCAAGAATGATGGGAGCACAGAGGGGAAGGCCACCGAGAGAACTAGAGCTGGTAGCC
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TGCTTCTCAGTTTCAAAGACGCTAAGCTGTCTGTGGTGGAGTATGACCCAGGCACTCATGACCTGAAGAC
CCTGTCTCTACACTACTTTGAGGAGCCTGAACTTCGGGATGGGTTTGTGCAGAACGTGCATACGCCCTCGT
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TCCGCAGAGAGAGCCTGGCTGAGGAACATGAGGGGCTCATGGCGAAGGGCAGAGGTCTAGCTTCTTGCC
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GGCTACTATGAGCCACCCTGCTTATCCTGTTTGGCCCAACCAGACTTGGCCAGGGCGGGTGGCTGTGA
GGCAGGACACGTGCTCCATTGTGGCTATCTCGTGAACATCACACAGAAAGTCCATCCAGTCATCTGGTC
CCTCACCAGCTTGCCTTTTGACTGTACCAGGCCCTGGCTGTGCCAAGCCCATAGGTGGGTAGTGATC
TTCGCTGTCAACTCACTGTTGTACTGAACCAGAGTGTCCCCATATGGTGTGGCTCTCAATAGTCTCA
CCACAGGCACCACGCTTTCCCATTTGCGTACCCAAGAGGGTGTACGGATCACCCCTAGACTGCGCACAGGC
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ACTGACGGCATGCGAAGTGTCCGAGCGTTTCACTTTGACAAGGCAGCTGTAGTGTCTTACCACCAGTA
TGGTCACAATGGAGCCCGGATACCTGTTCTAGGCTCTCGCTGGGCAATTCCTCCTCCTCAAGTACAC
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CATTGCTCCTGTGCGAAAGAGGAGGAAGAAACCCCAAAGCAGAGAGCACAGAGCAGGAGCCAGTGCC
CCGAAAGCAGAGGAGGATGGGCGAAGACATGGCTTCTTATTCTTAGCCGGGAAGACTCAACCATGATCC
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CTGCTAAACCGCTACCTATACCTCAGCACCATGGAGCGCAGTGAAGTGGCCAAGAAGATAGGTACCACGC
CTGACATTATCCTGGATGACTTGTGGAGACAGACCGGGTACGGCTCACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211989 protein sequence
 Red=Cloning site Green=Tags(s)

MYAVYKQAHPTGLEFTMYCNFFNSERNL VVAGTSQLYVYRLNRDAEALTKNDGSTEGKAHREKLELVA
 SFSSFFGNVMSMASVQLAGAKRDALLSFKDAKLSVVEYDPGTHDLKTL SLHYFEEPELRDGFVQNVHTPR
 VRVDPDGRCAAML IYGTRLVVL PFRRESLAEHEGLMGEQQRSSFLPSYI IDVRALDEKLLNIIDLQFLH
 GYEPTELLILFEPNQTWPGRVAVRQDTC SIVAI SLNITQKVHPVIWSL TSLPFDCTQALAVPKPIGGVVI
 FAVNSLLYL NQSVPPYGVALNSL TTGTTAFPLRTQEGVRI TL DCAQAAFISYDKMVISLKGGEIYVLT LI
 TDGMRSVRAFHFDKAAASVLT TSMVTMEPGYFLGSR L GNSLL LKYTEKLQEP PASSVREAADKEEPPSK
 KKRVEPAVGWGTGKTVPQDEVDEIEVYGSEAQSGTQLATYSFEVCD SMLNIGPCANAAVGEPAFLSEEFQ
 NSPEPDLEI VVCSGYGKNGALS VLQKSIRPQVVTTFELPGCYDMWTVIAPVRKEEETPKAEESTE QEPSA
 PKAEEDGRRHGFLIL SREDSTMILQTGQEIMELDTSGFATQGP T VFAGNIGDNRYIVQVSPLGIRLLEGV
 NQLHFIPVDL GAPIVQCAVADPYV VIMS AEGHVTMFL LKSDSYGGRHRLALH KPPLH HQSKVIALCLYR
 DVSGMFTTESR LGGARDELGGRSGSEAEGLGSET SPTVDDEEEMLYGDSSALFSPSKEEARSSQPADR
 DPAPFKADPTHWCLLVRENGTMEIYQLPDWRLVFLVKNFPV GQVRLVDSSFGQPTTQGEVRKEEATRQGE
 LPLVKEVLLVALGSRQSRPYLLVHVDQELLIYEAFPHDSQLGQGNLKVRFK KVPHNINFREKKPKPKSKK
 AEGCSTEEGSGGRVARFRYFEDIYGYSGVFCGSPHWLLVTGRGALRLHPMGIDGPI D SFAPFHNVN
 CPRGFLYFN RQGELRISVLPAYLSYDAPWPVRKIPLRCTAHYVAYHVESKYVAVATSTNTPCTRIPRMTG
 EEKEFEA IERDDRYIHPQQEAFS IQLISPVSWEAIPNARIELEWEHVTCMKT VSLRSEETV SGLKGYYA
 AGTCLMQGEEVTCRGRILIMDVIEVVPEPGQPLTKNKFVLYEKEQKGPVTALCHCNGHLVSAIGQKIFL
 WSLRASELTGMAFIDTQLYI HQMISVKNFILAADV MKSISLLRYQEESK TSLVSRDAKPLEVYSVDFMV
 DNAQLGFLVSDRDRNLMVYMYLPEAKESFGGMRLRRADFHVGAHVNTFWRTPCRGAAEGSPKKS VVWEN
 KHITWFATLDGGIGLLLP MQEKT YRRLMLQNAL TMLPHHAGLNPRAFRMLHVD RRRILQNAV RNVLDGE
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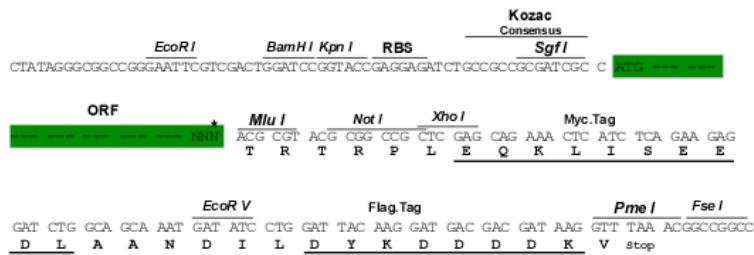
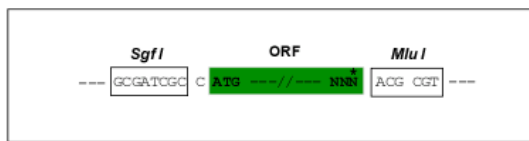
TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

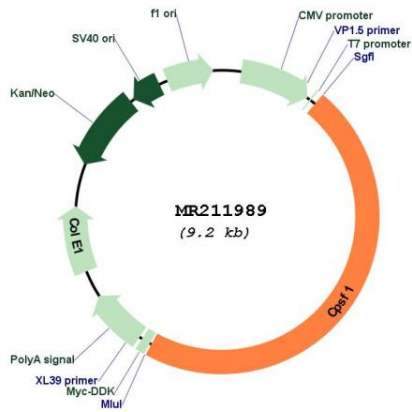
NM_053193

ORF Size:

4326 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_053193.2 , NP_444423.1
RefSeq Size:	4538 bp
RefSeq ORF:	4326 bp
Locus ID:	94230
UniProt ID:	Q9EPU4
Cytogenetics:	15 D3
MW:	160.8 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. This subunit is involved in the RNA recognition step of the polyadenylation reaction (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211989