

Product datasheet for **MR208746**

Cpsf6 (NM_001013391) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpsf6 (NM_001013391) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cpsf6
Synonyms:	4733401N12Rik; AI256641; CFIM; CFIM68; HPBR11-4; HPBR11-7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208746 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGACGGTGTGGACCACATAGACATTTACGCGGATGTGGGTGAAGAGTTCAACCAGGAAGCAGAAT
 ATGGTGGACATGATCAGATAGATTTGTATGATGATGTCATCTCTCCATCTGCAAATAATGGCGATGCCCC
 AGAAGATCGCGACTACATGGATACTCTCCACCAACTGTTGGTATGATGTGGGTAAAGGAGCCGACCA
 AACGTTGTGTACACTTACACTGGGAAGAGAATCGCATTGTATATTGAAAATCTAACATGGTGGACAACAG
 ATGAGGACCTAACTGAGGCCGTTCTTTCTTTGGGAGTAAATGATATTTGGAGATAAAATCTTTGAAAA
 TCGGGCAAATGGACAATCAAAGGGATTTGCCCTTGTGGTGTGGATCTGAAGCATCTTCCAAAAAGTTA
 ATGGATCTTTGCCTAAAAGAGAACTTCATGGTCAGAGTCCTGTTGTAACCTCATGCAATAAGCAGTTCC
 TGAGTCAATTTGAAATGCAATCCAGGAAAACACACAGTCAGGACAGATGTCTGGGAAGGGAAAGCCGG
 TCCTCCAGGAGGGGTTACGCGCAGCGTTTCTCAAGTGGTAGAGGACGGGGCCGGTTCCAGGGGCT
 GTTCTGGTGGGACAGATTTCTGGGCCAGCAGGACCAGGAGGGCCACCTCCACCTTTTCCAGCTGGAC
 AAACCTCCACCACGTCCACCTTAGGCCACCTGGCCACCTGGTCCACCAGGTCCTCCACCTCCTGGTCA
 GGTCTGCCACCTCCTTAGCAGGACCTCTAACCGAGGAGACCGCCCTCCACCACAGTTCTTTTTCT
 GGACAACCTTTGGGCGAGCTCCGCTGGGTCCACTTCTCTGGGCTCCACCTCCAGTTCAGGGCTACG
 GCCCCCTCCAGTCCACCGCTCCACAGCAGGGACCCTCCACCTCCAGGCCCTTCCACCTCGCCC
 ACCAGTCCACTAGGGCTCCCTCACACTTGCCTCCTCCACATCTTCCGGGACCACCTCCAGGTGCC
 CCGCCACCAGTCCACATGTGAATCTGCTTTTTTCTCCACCAACTAATAGTGGCATGCAACATCAG
 ATAGTCGAGGTCACCAACACAGACCCATATGGCCGACCTCCCCATATGATAGGGGTGACTACGGTCC
 CCTGGGAGGAAATGGATACTGCAAGAACACCTCTGAGTGAAGCTGAGTTTGAAGAAATCATGAATAGA
 AATCGGGCAATCTCAAGCAGTGCTATTTCAAGAGCTGTGCTGACGCTAGTGTGGTATTATGGGAGTG
 CTATTGAAACATTGGTAACAGCAATTTCTTAATTAACAATCCAAAGTCTCTGCAGATGATCGTTGCAA
 AGTTCTTATTAGCTCTCTGCAGGATTGCCTTATGGAATCGAGTCCAAGTCTATGGGTCTGGATCCAGA
 CGTGAACGATCAAGAGAACGGGACCATAGTAGATCACGGGAAAAGAGTCGTCGCCATAAATCTCGGAGTA
 GAGATCGCCACGATGACTATTACAGAGAGAGAAGCAGAGAACGAGAGACACCGGGATCGGGACCGCGA
 CCGTGACCGAGAGCGTGACCGAGAGCGAGAATACCGTCATCGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208746 protein sequence
 Red=Cloning site Green=Tags(s)

MADGVDHIDIYADVGEFFNQEA EYGGHDQIDLYDDVISPSANNGDAPEDRDYMDLPPPTVGDVVGKGAAP
 NVVYTYTGKRIALYIGNLTWTTDEDLTEAVHSLGVNDILEIKFFENRANGQSKGFALVGVGSEASSKLL
 MDLLPKRELHQSPVVTPCNKQFLSQFEMQSRKTTQSGQMSGEGKAGPPGGGSRAAFPPQGRGRGRFPGA
 VPGGDRFPGPAGPGPPPPFAGQTTPRPPLGPPGPPPPGPPPPGQVLPPLAGPPNRGDRPPPPVLPF
 GQPFQPPPLGPLPPPPPPVPGYPPPPPPPPQGGPPPPPGFPFRPPGPLGPPLTLAPPHLPGPPPGA
 PPPAPHVNPAPFPPTNSGMPTSDSRGPPPTDPYGRPPPYDRGDYPPGREMDTARTPLSEAEFEEIMNR
 NRAISSAISRAVSDASAGDYGSAIETLVTAISLIKQSKVSADDRCKVLISLQDCLHGIESKSYGSGSR
 RERSRERDHSRSREKSRRHKSRSRDRHDDYYRERSRERHRDRDRDRDRERDREREYRHR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

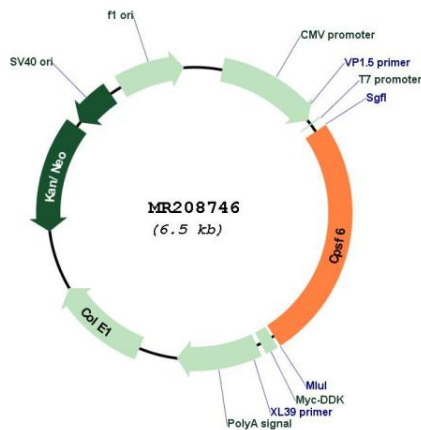
Sgfl-MluI

Cytogenetics: 10 D2

MW: 59.2 kDa

Gene Summary: Component of the cleavage factor Im (CFIm) complex that functions as an activator of the pre-mRNA 3'-end cleavage and polyadenylation processing required for the maturation of pre-mRNA into functional mRNAs. CFIm contributes to the recruitment of multiprotein complexes on specific sequences on the pre-mRNA 3'-end, so called cleavage and polyadenylation signals (pA signals). Most pre-mRNAs contain multiple pA signals, resulting in alternative cleavage and polyadenylation (APA) producing mRNAs with variable 3'-end formation. The CFIm complex acts as a key regulator of cleavage and polyadenylation site choice during APA through its binding to 5'-UGUA-3' elements localized in the 3'-untranslated region (UTR) for a huge number of pre-mRNAs. CPSF6 enhances NUDT21/CPSF5 binding to 5'-UGUA-3' elements localized upstream of pA signals and promotes RNA looping, and hence activates directly the mRNA 3'-processing machinery. Plays a role in mRNA export. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208746