

Product datasheet for TP508746

Cpsf6 (NM_001013391) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cleavage and polyadenylation specific factor 6 (Cpsf6), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208746 protein sequence Red =Cloning site Green =Tags(s)
	MADGVDHIDIYADVGEFFNQEA EYGGHDQIDLYDDVISPSANNGDAPEDRDYMDTLPPTVGDVVGKGAAP NWVYTYTGKRIALYIGNLTWTTDEDL TEAVHSLGVNDILEIKFFENRANGQSKGFALVGVGSEASSKLL MDLLPKRELHGQSPVTPCNKQFLSQFEMQSRKTTQSGQMSGEGKAGPPGGGSRAAFPQGGRRGRFRPGA VPGGDRFPGPAGPGGPPPPFPAGQTTPRPLGPPGPPGPPGPPPPGQVLPPPLAGPPNRGDRPPPPVLF GQFPGQPPLGPLPPGPPPPVPGYGGPPGPPPPQGGPPPPGPFPPRPPGLPPLTLAPPHLPGPPPGA PPPAPHVNPAPFFPPPTNSGMPTSDSRGPPPTDPYGRPPPYDRGDYGGPREMDTARTPLSEAEFEEIMNR NRAISSAISRAVSDASAGDYGSAIETLVTAISLIKQSKVSADDRCKVLISSLQDCLHGIESKSYGSGSR RERSRERDHSRSREKSRRHKSRSRDRHDDYYRERSRERERHRDRDRDRDRERDREREYRHR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	59.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001013409</u>



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Locus ID: 432508

UniProt ID: [Q6NVF9](#)

RefSeq Size: 6534

Cytogenetics: 10 D2

RefSeq ORF: 1656

Synonyms: 4733401N12Rik; AI256641; CFIM; CFIM68; HPBRII-4; HPBRII-7

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]