

Product datasheet for TP507383

Cpsf7 (NM_001164272) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins Description: Purified recombinant protein of Mouse cleavage and polyadenylation specific factor 7 (Cpsf7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug Species: Mouse **Expression Host:** HEK293T **Expression cDNA Clone** >MR207383 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s) MSEGVDLIDIYADEEFNQDSEFNNTDQIDLYDDVLTAASQPSDDRSSSTEPPPPVRQEPAPKPNNKTPAI LYTYSGLRSRRAAVYVGSFSWWTTDQQLIQVIRSIGVYDVVELKFAENRANGQSKGYAEVVVASENSVHK LLELLPGKVLNGEKVDVRPATRQNLSQFEAQARKRIPPRAHSRDSSDSADGRATPSENLVPSSARVDKPP SVLPYFNRPPSALPLMGLPPPPIPPPPLSSSFGVPPPPPGIHYQHLMPPPPRLPPHLAVPPPGAIPPAL HLNPAFFPPPNATVGPPPDTYMKASTPYNHHGSRDSGPPPSTVSEAEFEEIMKRNRAISSSAISKAVSGA SAGDYSDAIETLLTAIAVIKQSRVANDERCRVLISSLKDCLHGIEAKSYSVGASGSSSRKRHRSRERSPS RSRESSRRHRDLLHNEDRHDDYFQERNREHERHRDRERDRHH **TRTRPLEQKLISEEDLAANDILDYKDDDDKV** C-MYC/DDK Tag: Predicted MW: 51.1 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. Store at -80°C after receiving vials. Storage:

Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

<u>NP 001157744</u>

269061

Stability:

RefSeq:

Locus ID:

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	Cpsf7 (NM_001164272) Mouse Recombinant Protein – TP507383
UniProt ID:	Q8BTV2
RefSeq Size:	3577
Cytogenetics:	19 A
RefSeq ORF:	1386
Synonyms:	5730453I16Rik; AL022757; C330017N18Rik
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. CPSF7 activates directly the mRNA 3'- processing machinery. Binds to pA signals in RNA substrates.[UniProtKB/Swiss-Prot Function]

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