

Recombinant Mouse Cpsf7 Protein, Myc/DDK-tagged

Cat. No. Cpsf7-2298M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cleavage and polyadenylation specific factor 7 (Cpsf7), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	51.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Cpsf7 cleavage and polyadenylation specific factor 7 [Mus musculus (house mouse)]
Official Symbol	Cpsf7
Synonyms	CPSF7; cleavage and polyadenylation specific factor 7; cleavage and polyadenylation specificity factor subunit 7; AL022757; 5730453I16Rik; C330017N18Rik; MGC46982
Gene ID	269061
mRNA Refseq	NM_001164272
Protein Refseq	NP_001157744
UniProt ID	Q8BTV2

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