

Recombinant Human CPSF3, GST-tagged

Cat. No. CPSF3-11537H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CPSF3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-348a.a.
Description	This gene encodes a member of the metallo-beta-lactamase family. The encoded protein is a 73kDa subunit of the cleavage and polyadenylation specificity factor and functions as an endonuclease that recognizes the pre-mRNA 3-cleavage site AAUAAA prior to polyadenylation. It also cleaves after the pre-mRNA sequence ACCCA during histone 3-end pre-mRNA processing.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	CPSF3 cleavage and polyadenylation specific factor 3, 73kDa [Homo sapiens]
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Official Symbol	CPSF3
Synonyms	CPSF3; cleavage and polyadenylation specific factor 3, 73kDa; cleavage and polyadenylation specific factor 3, 73kD subunit; cleavage and polyadenylation specificity factor subunit 3; CPSF 73; CPSF73; YSH1; CPSF 73 kDa subunit; mRNA 3-end-processing endonuclease CPSF-73; cleavage and polyadenylation specificity factor 3; cleavage and polyadenylation specificity factor 73 kDa subunit; CPSF; CPSF-73;
Gene ID	51692
mRNA Refseq	NM_016207
Protein Refseq	NP_057291
MIM	606029
UniProt ID	Q9UKF6
Chromosome Location	2p25.1
Pathway	Cleavage of Growing Transcript in the Termination Region, organism-specific biosystem; Gene Expression, organism-specific biosystem; Processing of Capped Intron-Containing Pre-mRNA, organism-specific biosystem; Processing of Capped Intronless Pre-mRNA, organism-specific biosystem; Processing of Intronless Pre-mRNAs, organism-specific biosystem; RNA Polymerase II Transcription, organism-specific biosystem; RNA Polymerase II Transcription Termination, organism-specific biosystem;
Function	5-3 exonuclease activity; RNA binding; endoribonuclease activity; hydrolase activity;

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metal ion binding; protein binding;

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