Recombinant Human CPSF4 Protein, GST-tagged

Cat. No. CPSF4-1815H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CPSF4 full-length ORF (AAH03101, 1 a.a. - 244 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Inhibition of the nuclear export of poly(A)-containing mRNAs caused by the influenza A virus NS1 protein requires its effector domain. The NS1 effector domain functionally interacts with the cellular 30 kDa subunit of cleavage and polyadenylation specific factor 4, an essential component of the 3' end processing machinery of cellular pre-mRNAs. In influenza virus-infected cells, the NS1 protein is physically associated with cleavage and polyadenylation specific factor 4, 30kD subunit. Binding of the NS1 protein to the 30 kDa protein in vitro prevents CPSF binding to the RNA substrate and inhibits 3' end cleavage and polyadenylation of host pre-mRNAs. Thus the NS1 protein selectively inhibits the nuclear export of cellular, and not viral, mRNAs. Multiple alternatively spliced transcript variants that encode different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	52.58 kDa
AA Sequence	MQEIIASVDHIKFDLEIAVEQQLGAQPLPFPGMDKSGAAVCEFFLKAACGKGGMCPF RHISGEKTVVCKHWLRGLCKKGDQCEFLHEYDMTKMPECYFYSKFGECSNKECPF LHIDPESKIKDCPWYDRGFCKHGPLCRHRHTRRVICVNYLVGFCPEGPSCKFMHPR

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	FELPMGTTEQPPLPQQTQPPAKQRTPQVIGVMQSQNSSAGNRGPRPLEQVTCYKC GEKGHYANRCTKGHLAFLSGQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CPSF4 cleavage and polyadenylation specific factor 4, 30kDa [Homo sapiens]
Official Symbol	CPSF4
Synonyms	CPSF4; cleavage and polyadenylation specific factor 4, 30kDa; cleavage and polyadenylation specific factor 4, 30kD subunit; cleavage and polyadenylation specificity factor subunit 4; CPSF30; NAR; neb-1; no arches homolog; CPSF 30 kDa subunit; no arches-like zinc finger protein; NS1 effector domain-binding protein 1; cleavage-polyadenylation specificity factor, 30kD; cleavage and polyadenylation specificity factor 30 kDa subunit; NEB1;
Gene ID	10898
mRNA Refseq	NM_001081559

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Protein Refseq	NP_001075028
MIM	603052
UniProt ID	O95639

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