

Recombinant Human CPSF4

Catalog No: #GP11398



Package Size: #GP11398-1 100ug

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Description

| | |
|-----------------------|---|
| Product Name | Recombinant Human CPSF4 |
| Brief Description | Recombinant Protein |
| Immunogen Description | Full length fusion protein |
| Target Name | cleavage and polyadenylation specific factor 4, 30kDa |
| Other Names | NAR; NEB1; CPSF30 |
| Accession No. | Swissprot:O95639Gene Accession:BC003101 |
| Uniprot | O95639 |
| GeneID | 10898; |
| Storage | -20~-80°C, pH 7.6 PBS |

Background

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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