

Product datasheet for SC312726

CPSF30 (CPSF4) (NM_006693) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPSF30 (CPSF4) (NM_006693) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPSF30
Synonyms:	CPSF30; NAR; NEB-1; NEB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312726 representing NM_006693. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGGAAATCATCGCCAGCGTGGACCACATCAAGTTTGACTTGGAGATCGCGGTGGAGCAGCAGCTG
GGGGCGCAGCCGCTGCCCTTCCCCGGCATGGACAAGTCGGGCGTGTGTCTGTGAATTCCTTTTAAAA
GCTGCCTCGGCAAGGGGGCATGTGTCCGTTTCGCCACATCAGTGGTGAGAAGACAGTTGTGTGCAAA
CACTGGCTGCGTGGCCTATGCAAGAAAGGGGACCAGTGTGAGTTCCTGCATGAGTATGACATGACCAAG
ATGCCCGAGTGTACTTCTACTCCAAGTTCGGGGAGTGCAGCAACAAGGAATGTCCCTTCTGCACATC
GACCCCGAGTCCAAGATCAAGGACTGTCTTGGTATGACCGTGGCTTCTGCAAGCAGGTCCTCTGC
AGGCACCGGCACACCGGAGAGTCATCTGTGTGAATTACCTCGTGGGATTCTGCCCGGAGGGGCCCTCG
TGTAATTCATGCACCCTCGATTGAACTGCCCATGGAAACCACCGAGCAGCCCCACTGCCGACGAG
ACACAGCTCCAGCAAAGCAAAGTAAACAATCCGCCATTACAAAGGTCTCCTCTTGATCCAGTTAACG
AGTCAGAACTCTTCTCCAATCAGCAGAGAACCCCGCAGGTCAATCGGGGTTCATGCAGAGTCAAAACAGC
AGCGCGGGCAACCGGGGACCCCGGCCACTGGAGCAGGTCACTGTTACAAGTGTGGCGAGAAAGGACAC
TACGCCAACAGATGCACCAAAGGGCACTTGGCCTTCTCAGTGGACAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_006693
Insert Size:	810 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_006693.3</u>
RefSeq Size:	1850 bp
RefSeq ORF:	810 bp
Locus ID:	10898
UniProt ID:	<u>O95639</u>
Cytogenetics:	7q22.1
Domains:	zf-CCCH, zf-CCHC
MW:	30.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>