

# Recombinant Full Length Human CPSF3 Protein, C-Flag-tagged

**Cat. No.** CPSF3-699HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human CPSF3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | 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.                                                                      |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 77.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MSAIPAEESDQLLIRPLGAGQEVGRSCIILEFKGRKIMLDCGIHPGLEGM DALPYIDLI<br>DPAEIDLLIS HFHLDHCGALPWFLQKTSFKGRTFMTHATKAIYRWLLSDYVKVSNIS<br>ADDMLYTETDLEESMDKIETINF HEVKEVAGIKFWCYHAGHVLGAAMFMIEIAGVKLL<br>YTGDFSRQEDRHLMAAEIPNIKPDILIIESTYGTH IHEKREEREARFCNTVHDIVNRG<br>GRGLIPVFALGRAQELLLILDEYWQNHPELHDIPYIYASSLAKKCMA VYQTYVNAMN<br>DKIRKQININNPVFVKHISNLKSMDHFDDIGPSVVMASPGMMQSGLSRELFESWCTD<br>KRN GVIIAGYCVETLAKHIMSEPEEITMSGQKLPLKMSVDYISFSAHTDYQQTSEF |

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IRALKPPHVILVHGE QNEMARLKAALIREYEDNDEVHIEVHNPRNTEAVTLNFRGEKL  
 AKVMGFLADKKPEQGQRVSGILVKRNF NYHILSPCDLSNYTDLAMSTVKQTQAIPYT  
 GPFNLLCYQLQKLTGDVEELEIQEKPAKVFKNITVIQEP GMVVLEWLANPSNDMYA  
 DTVTTVILEVQSNPKIRKGAVQKVSKKLEMHVYSKRLEIMLQDIFGEDCVSVK  
 DDSILSVTVDGKTANLNLETRTVECEESEDESREMVELAAQRLYEALTPVHTRT  
 RPLEQKLISEEDLAANDILDYKDDDDKV

|                      |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>       | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b> | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Full Length</b>   | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CPSF3 cleavage and polyadenylation specific factor 3 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | CPSF3                                                                         |
| <b>Synonyms</b>        | CPSF73; NEDMHS; CPSF-73; NEDMHSN                                              |
| <b>Gene ID</b>         | 51692                                                                         |

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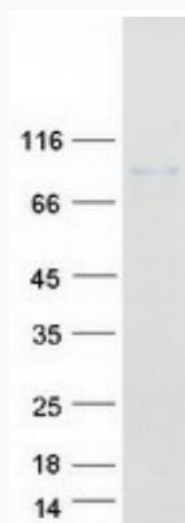
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**mRNA Refseq** [NM\\_016207.4](#)

**Protein Refseq** [NP\\_057291.1](#)

**MIM** [606029](#)

**UniProt ID** [Q9UKF6](#)



Coomassie blue staining of purified CPSF3 protein.

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