

Product datasheet for **RG202127**

CPSF7 (NM_024811) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPSF7 (NM_024811) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CPSF7
Synonyms:	CFIm59
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG202127 representing NM_024811
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGTCAGAAGGAGTGGACTTGATTGATATATATGCTGACGAGGAGTTCAACCAGGACCCAGAGTTCAACA
 ATACAGATCAGATTGACCTGTATGATGATGTGCTGACAGCCACCTCACAGCCCTCAGATGACAGAAAGCAG
 CAGCACTGAACCACTCTCTCTGTTGCGCAGGAGCCATCTCCCAAGCCCAACAACAGACCCCTGCAATT
 CTGTATACCTACAGTGGCCTGCGTAATAGACGAGCTGCCGTTTATGTGGGAGCTTCTCTGGTGGACCA
 CAGACCAGCAGCTGATCCAGGTTATTCGCTCTATAGGAGTCTATGATGTGGTGGAGTTGAAATTTGCAGA
 GAATCGAGCAAATGGCCAGTCCAAGGGTATGCTGAGGTGGTGGTAGCCTCTGAAAACCTGTCCACAAA
 TTGTTGGAACCTCTACCAGGGAAAGTTCTTAATGGAGAAAAGTGGACGTGAGGCCGGCCACCCGGCAGA
 ACCTGTACAGTTTGAGGCACAGGCTCGAAACGTGAGTGTGTCGAGTCCCAAGAGGGGAATACCTCC
 ACGGGCCATTCCCGAGATTCTAGTGATTCTGCTGATGGACGGGCCACACCTCTGAGAACCTTGATCCC
 TCATCTGCTCGTGTGGATAAGCCCCCAGTGTGCTGCCCTACTTCAATCGTCCTCTCGGCCCTTCCCC
 TGATGGGTCTGCCCCACCACCAATTCCACCCCCACCACCTCTCTCTCAAGCTTTGGGGTCCCTCCTCC
 TCCTCCTGGTATCCACTACCAGCATCTCATGCCCCACCTCCTCGATTACCTCCTCATCTTGCTGTACCT
 CCCCCTGGGGCCATCCCACCTGCCCTTCACCTCAATCCAGCCTTCTTCCCCCACCACCAAGCTACAGTGG
 GGCCTCCACCAGATACTTACATGAAGGCCTCTGCCCTTATAACCACCATGGCAGCCGAGATTCGGGGCC
 TCCACCTCTACAGTGAAGCCGAATTTGAAGATATCATGAAGCGAAACAGAGCAATTTCCAGCAGT
 GCCATTTCAAAGCAGTATCTGGAGCCAGTGCAGGGGATTACAGTGACGCAATTGAGACGCTGCTCACAG
 CCATTGCGGTTATCAAACAGTCCCGGTTGCCAATGATGAGCGTTGCCGTGCTCATCTCTCTCTTAA
 GGACTGTCTTCATGGCATTGAAGCCAAGTCTACAGTGTGGGTGCCAGTGGGAGCTCTTCCAGGAAAAGA
 CATCGCTCCCGGAAAGGTCACCTAGCCGGTCCCGGAGAGCAGCAGGAGGCACCGGGATCTGCTTCATA
 ATGAAGATCGGCATGATGATTATTTCCAAGAAAGGAACCGGGAGCATGAGAGACACCGGGATAGAGAACG
 GGACCGGCACCAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG202127 representing NM_024811
 Red=Cloning site Green=Tags(s)

MSEGVLDIDYADEEFNQDPEFNNTDQIDLYDDVLTATSQPSDDRSSSTEPPPPVRQEPSPKPNKTPAI
 LYTYSGLRNRRAAVYVGSFSWTTDQQLIQVIRSIGVYDVVELKFAENRANGQSKGYAEVVVASENSVHK
 LLELLPGKVLNGEKVDVRPATRQNLQFEAQARKRECVRVPRGGIPRAHSRDSADGRATPSENLP
 SSARVDKPPSVLPYFNRPSPALPLMGLPPPIPPPPPLSSFGVPPPPPGIHYQHLMPPPRLPPHLAVP
 PPGAIPPALHLNPAFFPPPNATVGPPPDYMKASAPYNHHGSRDSGPPPSVSEAEFEDIMKRNRAISS
 AISKAVSGASAGDYSDAIETLLTAIAVIKQSRVANDERCRLISSLKDCLHGIEAKSYSVGASGSSSRKR
 HRSRERSPSRSRESSRRHRDLLHNEDRHDDYFQERNREHERHRDRERDRHH

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_024811

ORF Size: 1413 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_024811.2](#), [NP_079087.2](#)

RefSeq Size: 3524 bp

RefSeq ORF: 1545 bp

Locus ID: 79869

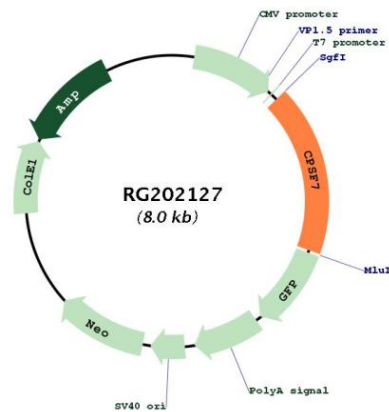
UniProt ID: [Q8N684](#)

Cytogenetics: 11q12.2

Domains: RRM

Gene Summary: Cleavage factor Im (CFIm) is one of six factors necessary for correct cleavage and polyadenylation of pre-mRNAs. CFIm is composed of three different subunits of 25, 59, and 68 kDa, and it functions as a heterotetramer, with a dimer of the 25 kDa subunit binding to two of the 59 or 68 kDa subunits. The protein encoded by this gene represents the 59 kDa subunit, which can interact with the splicing factor U2 snRNP Auxiliary Factor (U2AF) 65 to link the splicing and polyadenylation complexes. [provided by RefSeq, Oct 2016]

Product images:



Circular map for RG202127