

## Product datasheet for MC209957

### Cpsf4 (NM\_178576) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cpsf4 (NM\_178576) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cpsf4  
**Synonyms:** 30kDa; C79664  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209957 representing NM\_178576  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGGAATAATCGCCAGCGTAGATCACATCAAGTTCGACTTGGAGATCGCCGTGGAGCAGCAGCTCG  
GGGCGCAGCCGCTGCCCTTCCCCGGCATGGATAAGTCGGGGCTGCTGTCTGTGAATTCTTTTTGAAAGC  
CGCCTGTGGCAAAGGGGGCATGTGTCCATTCCGCCACATCAGTGGTGAGAAGACAGTTGTGTGCAAACAC  
TGGCTGAGAGGACTGTGCAAGAAAGGGGACCAGTGTGAGTTCTTGATGAATATGACATGACCAAGATGC  
CTGAGTGTACTTTTACTCCAAGTTCGGTCCCCTGTGTAGGCATCGGCACACCCGGAGAGTCATTTGTGT  
GAACTACCTTGTGGATTCTGCCCTGAGGGACCATCATGTAATTCATGCACCCTCGATTTGAACTGCC  
ATGGGAACCACTGAGCAACCCCACTACCGCAGCAGACACAGCCTCCAACAAGAGAGCCCCGCAGGTCA  
TTGGGGTCATGCAGAGTCAAAACAGCAGTGCAGGCAACCGGGGACCCCGGCCGCTGGAGCAAGTCACTTG  
CTACAAGTGTGGTGAGAAAGGACACTACGCCAACAGATGCACCAAGGGCATTGGCCTTCTCAGTGGG  
CAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_178576  
**Insert Size:** 636 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_178576.3</a></u> , <u><a href="#">NP_848671.1</a></u>
<b>RefSeq Size:</b>	1626 bp
<b>RefSeq ORF:</b>	636 bp
<b>Locus ID:</b>	54188
<b>UniProt ID:</b>	<u><a href="#">Q8BQZ5</a></u>
<b>Cytogenetics:</b>	5 G2
<b>Gene Summary:</b>	<p>Component of the cleavage and polyadenylation specificity factor (CPSF) complex that play a key role in pre-mRNA 3'-end formation, recognizing the AAUAAA signal sequence and interacting with poly(A) polymerase and other factors to bring about cleavage and poly(A) addition. CPSF4 binds RNA polymers with a preference for poly(U) (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon in the central coding region, and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (c) is shorter than isoform a.</p>