

## Product datasheet for **MC207227**

### Ap3s2 (NM\_009682) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ap3s2 (NM\_009682) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ap3s2  
**Synonyms:** [s]3B  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207227 representing NM\_009682  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGATTCAGGCGATTCTGGTTTTCAACAACCATGGAAAACCGCGGCTGGTCCGCTTCTACCAGCGTTTTTC  
CAGAAGAAATTCACAGCAGATTGTTTCGAGAGACTTCCATCTGGTCTCAAGCGAGATGACAACATCTG  
TAACCTTTAGAAGGTGGAAGTTTGATTGGTGGCTCTGACTACAACTGATTTACCGGCACTATGCCACC  
CTCTACTTTGTGTTTTGTGTGGATTCATCAGAGAGTGAACCTGGGATCTTGGACCTCATCCAGGTTTTTG  
TGGAGACACTGGATAAGTGTGTTTGAAGAATGATGTGAGTTGGACTTGATCTTCCATATGGATAAGGTGCA  
CTACATCTGCAGGAGGTGGTATGGGTGGAATGGTGTGGAGACAAACATGAATGAAATTTGGGCTCAA  
ATCGAAGCTCAAACCGACTGGAGAAGTCGGAGGGCGGCCTCTCTGCAGCTCCAGCAAGGGCCGTGCCG  
CTGTGAAGAACATCAACCTCCCTGAGATCCCCAGGAACATCAACATCGGTGACCTCAACATCAAAGTCCC  
CAACCTGTCCCAGTTTGTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_009682  
**Insert Size:** 582 bp

**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).



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<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_009682.3</a></u> , <u><a href="#">NP_033812.3</a></u>
<b>RefSeq Size:</b>	5823 bp
<b>RefSeq ORF:</b>	582 bp
<b>Locus ID:</b>	11778
<b>UniProt ID:</b>	<u><a href="#">Q8BSZ2</a></u>
<b>Cytogenetics:</b>	7 D2
<b>Gene Summary:</b>	Part of the AP-3 complex, an adaptor-related complex which is not clathrin-associated. The complex is associated with the Golgi region as well as more peripheral structures. It facilitates the budding of vesicles from the Golgi membrane and may be directly involved in trafficking to lysosomes. In concert with the BLOC-1 complex, AP-3 is required to target cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. [UniProtKB/Swiss-Prot Function]