

Product datasheet for **MC226015**

Ap3s1 (NM_001303015) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap3s1 (NM_001303015) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ap3s1
Synonyms:	[s]
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC226015 representing NM_001303015 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATCAAGGCCATCCTCATCTTCAACAACCACGGGAAGCCGGCTCTCCAAGTTCTACCAGCCCTATA
GTGAAGACACGCAACAGCAAATCATCAGGGAGACTTTCCATTTGGTGTCTAAGCGCGATGAGAACGTTTG
TAATTTCTAGAAGGAGGATTATTAATTGGAGGCTCTGACAACAAGCTCATTTACAGACATTATGCAACA
CTATATTTGTCTTCTGTGTGGACTCCTCAGAAAGTGAAGTGGCATTATAGATCTAATTCAGTATTTG
TGGAAACATTAGACAAATGTTTTGAAAATGTTTGTGAACTGGATTTAATATTCCATGTAGACAAGGTTCA
TAATATTCTTGCAGAAATGGTGATGGGGGGAATGGTATTGGAGACCAACATGAATGAGATTGTCACACAA
ATTGATGCACAAAATAAACTGGAGAAATCTGAGACCTTTATCTTTCAGTCTCCAGACAGGACAGG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001303015
Insert Size:	489 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).



[View online »](#)

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001303015.1</u> , <u>NP_001289944.1</u>
RefSeq Size:	1561 bp
RefSeq ORF:	489 bp
Locus ID:	11777
Cytogenetics:	18 C
Gene Summary:	<p>This gene encodes the sigma subunit of the heterotetrameric adaptor protein complex AP-3 which is involved in the formation of specialized lysosome-related compartments such as melanosomes. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. Pseudogenes of this gene are found on chromosomes 1, 8, 16, 17 and X. [provided by RefSeq, Dec 2014]</p> <p>Transcript Variant: This variant (2) contains an additional exon, which results in a frameshift, compared to variant 1. The resulting protein (isoform 2) has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>