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Product datasheet for MC200180

Ap4s1 (BC001985) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap4s1 (BC001985) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ap4s1
Synonyms:	AI314282
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC001985 GGCTGTCAAGGGGCAAGTGCGTACCGAGGCGCGGGGGAGGGGGCAGGACGCCACATCGGAAGGGGGTGCA GGAGCCAGGAGGCAAAGACGCTCATCCCAGGCCCTCTCCGCGTGGCCTCACCCTCAAGGGGACCCACAAG CGCAAACTCAGTGCCTAGCGGGCCCACGCCAGACTCTCGCCCAGAGGCGCTGGGCCCAAACCCCGGAGGC CCAGGAGAGGTGGCTCCGGAGGAGCCCTGCGGACGCCATGCTAAAAGCCAAAATGGCTGCCCCAAGGATG CCCGCAGCGCGCCGCCCGTGAGGAGGGAGCCGGGCGCGCCGTCACCGCTCGCCGGCCGGAGCGGCTCAGG TTCCAGCTACGGTCATCCAGTGCCATAACTTTTAAAGGATATTGCAAAGAAACTGGGAAAGGGTGAAAAA ATGATCAAGTTTTTCCTTATGGTGAACAAGCAAGGGCAGACCCGACTGTCTAAGTACTACGAGCATGTGG ACATTAATAAACGTGCGCTTCTGGAGACTGAGGTCAGCAAGAGTTGCCTGTCTCGGTCCAGCGAACAATG CTCATTCATTGAATACAAGGATTTTAAACTGATCTACCGGCAATATGCAGCTCTCTTTGTTGTGGTTGGA GTTAATGACACTGAGAATGAGATGGCTATCTATGAATTTATACACAATTTTGTGGAAGTTTTAGATGGGT ACTTCAGCCGAGTGAGTTAATTAGATGTATCCTTTTTCTGTACATTTTTCCATGGTATGTGGCAAAAAGC ACACTCAGGATGTGACCATCAGGTACTGCAGGGTTGCAGTGTGATGCAAGCATGGCAGTTGTCCATCAGC CAATAAACTTCAAATTGACTTGACAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	BC001985
Insert Size:	300 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).
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).

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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.
RefSeq:	BC001985, AAH01985
RefSeq Size:	879 bp
RefSeq ORF:	300 bp
Locus ID:	11782
Cytogenetics:	12 B3
Gene Summary:	This gene encodes the sigma subunit of the adaptor-related protein complex 4 which mediates intracellular membrane trafficking along the endocytic and secretory transport pathways. This complex contains four subunits, beta, epsilon, mu, and sigma, and belongs to a family of five adapter protein complexes, including three clathrin-associated complexes and two non clathrin-associated complexes, that localize to different intracellular compartments and mediate membrane vesicle trafficking using distinct pathways. In humans, loss-of-function mutations in this gene have been linked to specific adapter complex 4 deficiency disorders including hereditary spastic paraplegia. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]