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Product datasheet for SC331694

ASPM (NM_001206846) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: ASPM (NM_001206846) Human Untagged Clone

Tag: Tag Free

Symbol: ASPM

Synonyms: ASP; Calmbp1; MCPH5

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331694 representing NM_001206846.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCGAACCGGCGAGTGGGGCGAGGCTGCTGGGAAGTGAGCCCGACCGAGCGGAGGCCGCCCGCGGGG
CTGCGGGGCCCCGCGGCCGAGGAGGAGGCGTCTTCCCCGCCGGTCCTGTCTCTCAGCCACTTCTGCAGG
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CCTAACGAGGAGGTGGCAGAAGTGAAGATCTCCCACTTCCCGGCCGCGGACCTGGGCTTCAGTGTGTCG
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TCTACAAGTCACAACAGAAGGGTTTCAAATATTCAGAATGTTAATAAAACATTTAGTGTTTCCCAAAAA
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TTCAGAACTCCAATTTCTAAAACAAACAAAAGGACAAAACCCATTATCGCTGTGGCACAGTCCAGTTTG
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TCTATAAGCATTCCTTTTATCCCAGAAACACCTGTAAGGACCAGAATAGTTTCAAGACTTAAGCCAGAT
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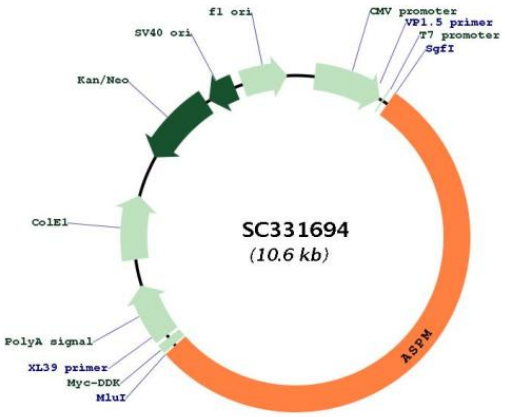
Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001206846

Insert Size: 5679 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).

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: NM_001206846.1

RefSeq Size: 6151 bp

RefSeq ORF: 5679 bp

Locus ID: 259266

UniProt ID: Q8IZT6

Cytogenetics:	1q31.3
Protein Families:	Druggable Genome
MW:	217.8 kDa
Gene Summary:	This gene is the human ortholog of the Drosophila melanogaster 'abnormal spindle' gene (asp), which is essential for normal mitotic spindle function in embryonic neuroblasts. Studies in mouse also suggest a role of this gene in mitotic spindle regulation, with a preferential role in regulating neurogenesis. Mutations in this gene are associated with microcephaly primary type 5. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011] Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.