

Product datasheet for RC214770

ASPM (NM_018136) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ASPM (NM_018136) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ASPM
Synonyms: ASP; Calmbp1; MCPH5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC214770 representing NM_018136
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC214770 representing NM_018136

Red=Cloning site Green=Tags(s)

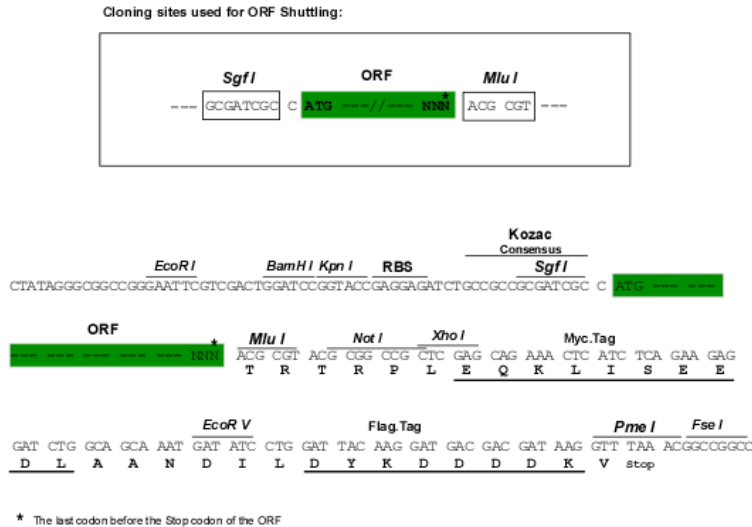
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Chromatograms: https://cdn.origene.com/chromatograms/ja1953_h06.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_018136

ORF Size: 10431 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_018136.5](#)

RefSeq Size: 10906 bp

RefSeq ORF: 10434 bp

Locus ID: 259266

UniProt ID: [Q8IZT6](#)

Cytogenetics: 1q31.3

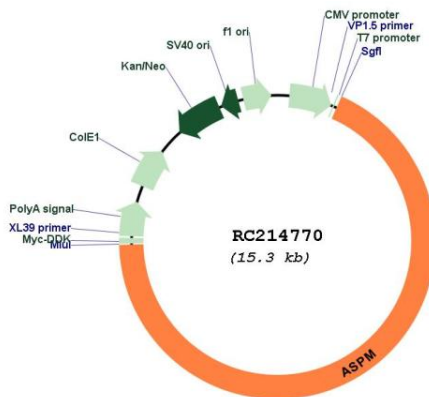
Domains: IQ, CH

Protein Families: Druggable Genome

MW: 409.8 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]

Product images:



Circular map for RC214770