

Product datasheet for KN214770LP

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ASPM Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: ASPM Locus ID: 259266

Components: KN214770G1, ASPM gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN214770G2, ASPM gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN214770LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is

designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the

experimental process.

RefSeq: <u>NM 001206846</u>, <u>NM 018136</u>

UniProt ID: Q8IZT6

Synonyms: ASP; Calmbp1; MCPH5

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.

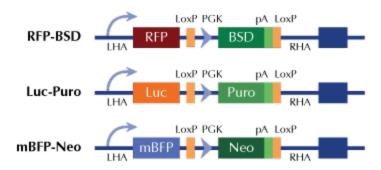
[provided by RefSeq, May 2011]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter