

## Product datasheet for **KN214770RB**

### ASPM Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	ASPM
Locus ID:	259266
Components:	<b>KN214770G1</b> , ASPM gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN214770G2</b> , ASPM gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN214770RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_001206846</a> , <a href="#">NM_018136</a>
UniProt ID:	<a href="#">Q8IZT6</a>
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]



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## Product images:

