

## Product datasheet for **KN206340RB**

### SPG7 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:	SPG7
Locus ID:	6687
Components:	<b>KN206340G1</b> , SPG7 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN206340G2</b> , SPG7 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN206340RBD</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_003119</a> , <a href="#">NM_199367</a> , <a href="#">NM_001363850</a>
UniProt ID:	<a href="#">Q9UQ90</a>
Synonyms:	CAR; CMAR; PGN; SPG5C
Summary:	This gene encodes a mitochondrial metalloprotease protein that is a member of the AAA family. Members of this protein family share an ATPase domain and have roles in diverse cellular processes including membrane trafficking, intracellular motility, organelle biogenesis, protein folding, and proteolysis. Mutations in this gene cause autosomal recessive spastic paraplegia 7. Two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Mar 2014]



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## Product images:

