

Product datasheet for **KN305999RB**

Fkrp Mouse 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:	Fkrp
Locus ID:	243853
Components:	KN305999G1 , Fkrp gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN305999G2 , Fkrp gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN305999RBD , donor DNA containing left and right homologous arms and RFP-BSD 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: [NM_173430](#), [NM_001358846](#)

UniProt ID: [Q8CG64](#)

Synonyms: A830029B19Rik; AI842067; AI847300; LGMD1I; MDC1C

Summary: Catalyzes the transfer of CDP-ribitol to ribitol 5-phosphate previously attached by FKTN/fukutin of to the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6)-mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1) (By similarity). This constitutes the second step in the formation of the ribose 5-phosphate tandem repeat which links the phosphorylated O-mannosyl trisaccharide to the ligand binding moiety composed of repeats of 3-xylosyl-alpha-1,3-glucuronic acid-beta-1 (By similarity).[UniProtKB/Swiss-Prot Function]



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Product images:

