

## Product datasheet for **KN211578RB**

### Galactosylceramidase (GALC) 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:	Galactosylceramidase
Locus ID:	2581
Components:	<b>KN211578G1</b> , Galactosylceramidase gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN211578G2</b> , Galactosylceramidase gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN211578RBD</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_000153</a> , <a href="#">NM_001037525</a> , <a href="#">NM_001201401</a> , <a href="#">NM_001201402</a>
UniProt ID:	<a href="#">P54803</a>
Synonyms:	galactocerebrosidase; galactocerebroside beta-galactosidase; galactosylceramidase; galactosylceramide beta-galactosidase; galactosylceraminidase; GALCERase; OTTHUMP00000027906
Summary:	This gene encodes a lysosomal protein which hydrolyzes the galactose ester bonds of galactosylceramide, galactosylsphingosine, lactosylceramide, and monogalactosyldiglyceride. Mutations in this gene have been associated with Krabbe disease, also known as globoid cell leukodystrophy. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]



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## Product images:

