

Product datasheet for **KN211578LP**

Galactosylceramidase (GALC) 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:	Galactosylceramidase
Locus ID:	2581
Components:	KN211578G1 , Galactosylceramidase gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN211578G2 , Galactosylceramidase gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN211578LPD , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. GE100003 , scramble sequence in pCas-Guide vector
RefSeq:	NM_000153 , NM_001037525 , NM_001201401 , NM_001201402
UniProt ID:	P54803
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:

