

Product datasheet for KN207909BN

OriGene Technologies, Inc.

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Glypican 5 (GPC5) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA:mBFP-NeoSymbol:Glypican 5

Locus ID: 2262

Components: KN207909G1, Glypican 5 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN207909G2, Glypican 5 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN207909BND, donor DNA containing left and right homologous arms and mBFP-Neo

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: <u>NM 004466</u>

UniProt ID: P78333

Synonyms: bA93M14.1; glypican 5; glypican proteoglycan 5; OTTHUMP00000018551

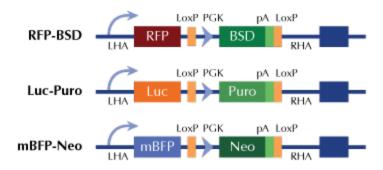
Summary: Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein

core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. [provided by RefSeq, Jul 2008]



Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter