

Product datasheet for KN218462RB

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NG2 (CSPG4) 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: NG2

Locus ID: 1464

Components: KN218462G1, NG2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN218462G2, NG2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN218462RBD, 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: <u>NM 001897</u>

UniProt ID: Q6UVK1

Synonyms: HMW-MAA; MCSP; MCSPG; MEL-CSPG; MSK16; NG2

Summary: A human melanoma-associated chondroitin sulfate proteoglycan plays a role in stabilizing

cell-substratum interactions during early events of melanoma cell spreading on endothelial

basement membranes. CSPG4 represents an integral membrane chondroitin sulfate

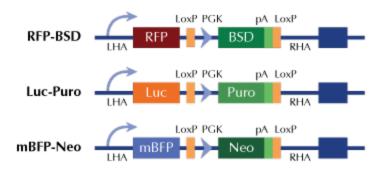
proteoglycan expressed by human malignant melanoma cells. [provided by RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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