

## Product datasheet for KN218462BN

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## NG2 (CSPG4) 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-Neo

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)

KN218462BND, 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:
 NM 001897

 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

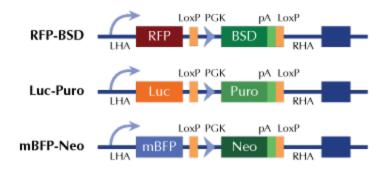
proteoglycan expressed by human malignant melanoma cells. [provided by RefSeq, Jul 2008]





# **Product images:**

#### Donor Vector Edited Chromosome



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