

Product datasheet for KN208745RB

DDR2 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: Symbol: DDR2 Locus ID: 4921

KN208745G1, DDR2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN208745G2, DDR2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN208745RBD, 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.

NM 001014796, NM 006182, NM 001354982, NM 001354983 RefSeq:

UniProt ID: 016832

Synonyms: MIG20a; NTRKR3; TKT; TYRO10

Summary: This gene encodes a member of the discoidin domain receptor subclass of the receptor

> tyrosine kinase (RTKs) protein family. RTKs play a key role in the communication of cells with their microenvironment. The encoded protein is a collagen-induced receptor that activates signal transduction pathways involved in cell adhesion, proliferation, and extracellular matrix remodeling. This protein is expressed in numerous cell types and may alos be involved in wound repair and regulate tumor growth and invasiveness. Mutations in this gene are the cause of short limb-hand type spondylometaepiphyseal dysplasia. [provided by RefSeq, Aug

2017]



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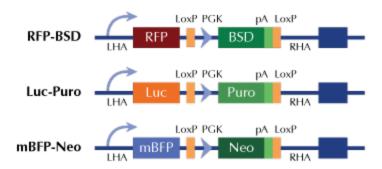
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Product images:

Donor Vector Edited Chromosome



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