

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:	RFP-BSD
Symbol:	DDR2
Locus ID:	4921
Components:	KN208745G1 , DDR2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) 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.

RefSeq: [NM_001014796](#), [NM_006182](#), [NM_001354982](#), [NM_001354983](#)

UniProt ID: [Q16832](#)

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 also 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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Product images:

