

Product datasheet for KN216595RB

OriGene Technologies, Inc.

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TGF beta Receptor III (TGFBR3) 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: TGF beta Receptor III

Locus ID: 7049

Components: KN216595G1, TGF beta Receptor III gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN216595G2, TGF beta Receptor III gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN216595RBD, 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 001195683, NM 001195684, NM 003243, NR 036634

UniProt ID: Q03167

Synonyms: betaglycan; BGCAN

Summary: This locus encodes the transforming growth factor (TGF)-beta type III receptor. The encoded

receptor is a membrane proteoglycan that often functions as a co-receptor with other TGF-beta receptor superfamily members. Ectodomain shedding produces soluble TGFBR3, which may inhibit TGFB signaling. Decreased expression of this receptor has been observed in various cancers. Alternatively spliced transcript variants encoding different isoforms have

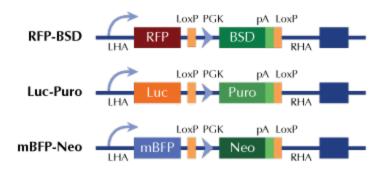
been identified for this gene.[provided by RefSeq, Sep 2010]





Product images:

Donor Vector Edited Chromosome



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