

Product datasheet for KN209150LP

OriGene Technologies, Inc.

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IGFBP3 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: IGFBP3 Locus ID: 3486

Components: KN209150G1, IGFBP3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN209150G2, IGFBP3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN209150LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 000598</u>, <u>NM 001013398</u>

UniProt ID: P17936

Synonyms: BP-53; IBP3

Summary: This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and

encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the

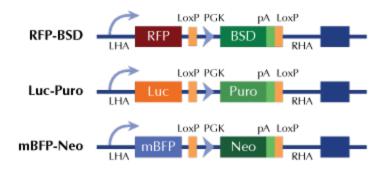
half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

[provided by RefSeq, Jul 2008]



Product images:

Donor Vector Edited Chromosome



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