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Product datasheet for KN208513LP

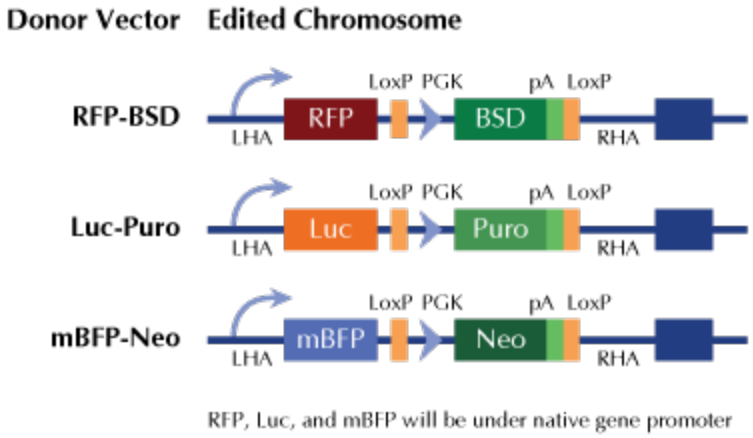
FAM20B Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	FAM20B
Locus ID:	9917
Components:	**KN208513G1**, FAM20B gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN208513G2**, FAM20B gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN208513LPD**, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. **GE100003**, scramble sequence in pCas-Guide vector
RefSeq:	NM_014864, NM_001324310, NM_001324311
UniProt ID:	O75063
Synonyms:	gxk1
Summary:	Responsible for the 2-O-phosphorylation of xylose in the glycosaminoglycan-protein linkage region of proteoglycans thereby regulating the amount of mature GAG chains. Sulfated glycosaminoglycans (GAGs), including heparan sulfate and chondroitin sulfate, are synthesized on the so-called common GAG-protein linkage region (GlcUAbeta1-3Galbeta1-3Galbeta1-4Xylbeta1-O-Ser) of core proteins, which is formed by the stepwise addition of monosaccharide residues by the respective specific glycosyltransferases. Xylose 2-O-phosphorylation may influence the catalytic activity of B3GAT3 (GlcAT-I) which completes the precursor tetrasaccharide of GAG-protein linkage regions on which the repeating disaccharide region is synthesized.[UniProtKB/Swiss-Prot Function]

View online »

Product images:



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