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Product datasheet for KN208776LP

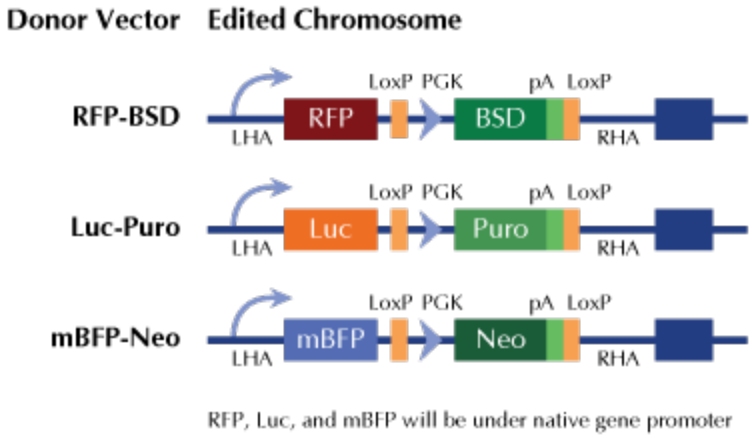
MID1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	MID1
Locus ID:	4281
Components:	**KN208776G1**, MID1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN208776G2**, MID1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN208776LPD**, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. **GE100003**, scramble sequence in pCas-Guide vector
RefSeq:	NM_000381, NM_001098624, NM_001193277, NM_001193278, NM_001193279, NM_001193280, NM_001193281, NM_033289, NM_033290, NM_033291, NM_001347733
UniProt ID:	O15344
Synonyms:	BBBG1; FXY; GBBB1; MIDIN; OGS1; OS; OSX; RNF59; TRIM18; XPRF; ZNFXY
Summary:	The protein encoded by this gene is a member of the tripartite motif (TRIM) family, also known as the 'RING-B box-coiled coil' (RBCC) subgroup of RING finger proteins. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This protein forms homodimers which associate with microtubules in the cytoplasm. The protein is likely involved in the formation of multiprotein structures acting as anchor points to microtubules. Mutations in this gene have been associated with the X-linked form of Opitz syndrome, which is characterized by midline abnormalities such as cleft lip, laryngeal cleft, heart defects, hypospadias, and agenesis of the corpus callosum. This gene was also the first example of a gene subject to X inactivation in human while escaping it in mouse. Alternative promoter use, alternative splicing and alternative polyadenylation result in multiple transcript variants that have different tissue specificities. [provided by RefSeq, Dec 2016]

View online »

Product images:



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