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Product datasheet for KN208013LP

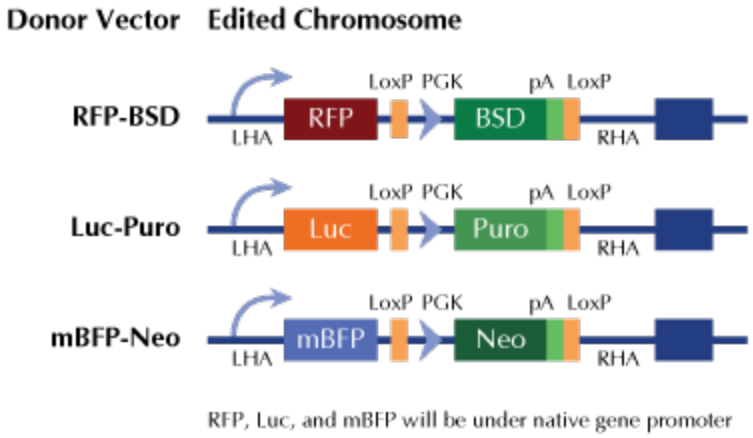
p63 (TP63) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	p63
Locus ID:	8626
Components:	**KN208013G1**, p63 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN208013G2**, p63 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN208013LPD**, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. **GE100003**, scramble sequence in pCas-Guide vector
RefSeq:	NM_001114978, NM_001114979, NM_001114980, NM_001114981, NM_001114982, NM_001329144, NM_001329145, NM_001329146, NM_001329148, NM_001329149, NM_001329150, NM_001329964, NM_003722
UniProt ID:	Q9H3D4
Synonyms:	AIS; B(p51A); B(p51B); EEC3; KET; LMS; NBP; OFC8; p40; p51; p53CP; p63; p73H; p73L; RHS; SHFM4
Summary:	This gene encodes a member of the p53 family of transcription factors. The functional domains of p53 family proteins include an N-terminal transactivation domain, a central DNA-binding domain and an oligomerization domain. Alternative splicing of this gene and the use of alternative promoters results in multiple transcript variants encoding different isoforms that vary in their functional properties. These isoforms function during skin development and maintenance, adult stem/progenitor cell regulation, heart development and premature aging. Some isoforms have been found to protect the germline by eliminating oocytes or testicular germ cells that have suffered DNA damage. Mutations in this gene are associated with ectodermal dysplasia, and cleft lip/palate syndrome 3 (EEC3); split-hand/foot malformation 4 (SHFM4); ankyloblepharon-ectodermal defects-cleft lip/palate; ADULT syndrome (acro-dermato-ungual-lacrimal-tooth); limb-mammary syndrome; Rap-Hodgkin syndrome (RHS); and orofacial cleft 8. [provided by RefSeq, Aug 2016]

View online »

Product images:



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