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Product datasheet for KN211508BN

Dystrophin (DMD) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Dystrophin
Locus ID:	1756
Components:	**KN211508G1**, Dystrophin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN211508G2**, Dystrophin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN211508BND**, donor DNA containing left and right homologous arms and mBFP-Neo 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_000109, NM_004006, NM_004007, NM_004009, NM_004010, NM_004011, NM_004012, NM_004013, NM_004014, NM_004015, NM_004016, NM_004017, NM_004018, NM_004019, NM_004020, NM_004021, NM_004022, NM_004023
UniProt ID:	P11532
Synonyms:	BMD; CMD3B; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272; MRX85
Summary:	This gene spans a genomic range of greater than 2 Mb and encodes a large protein containing an N-terminal actin-binding domain and multiple spectrin repeats. The encoded protein forms a component of the dystrophin-glycoprotein complex (DGC), which bridges the inner cytoskeleton and the extracellular matrix. Deletions, duplications, and point mutations at this gene locus may cause Duchenne muscular dystrophy (DMD), Becker muscular dystrophy (BMD), or cardiomyopathy. Alternative promoter usage and alternative splicing result in numerous distinct transcript variants and protein isoforms for this gene. [provided by RefSeq, Dec 2016]

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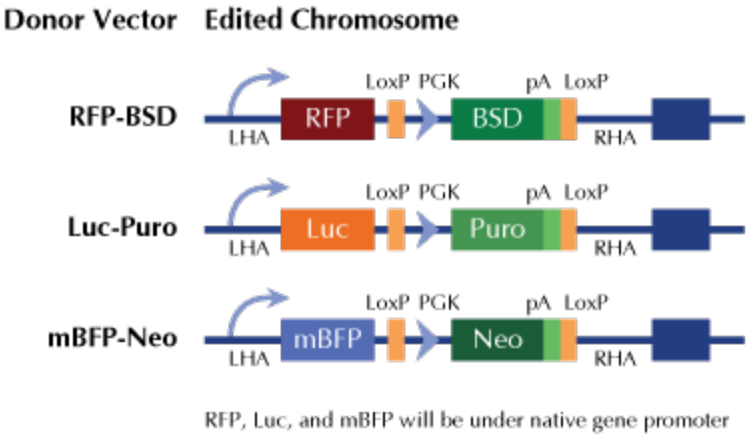
Product images:



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