

## 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:	<p><b>KN211508G1</b>, Dystrophin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACAAGCAGCTGTTGGTAGCT</p> <p><b>KN211508G2</b>, Dystrophin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTCAAACATATGCTTTGTCA</p> <p><b>KN211508BND</b>, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<a href="#">NM_000109</a> , <a href="#">NM_004006</a> , <a href="#">NM_004007</a> , <a href="#">NM_004009</a> , <a href="#">NM_004010</a> , <a href="#">NM_004011</a> , <a href="#">NM_004012</a> , <a href="#">NM_004013</a> , <a href="#">NM_004014</a> , <a href="#">NM_004015</a> , <a href="#">NM_004016</a> , <a href="#">NM_004017</a> , <a href="#">NM_004018</a> , <a href="#">NM_004019</a> , <a href="#">NM_004020</a> , <a href="#">NM_004021</a> , <a href="#">NM_004022</a> , <a href="#">NM_004023</a>
UniProt ID:	<a href="#">P11532</a>
Synonyms:	BMD; CMD3B; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272; MRX85
Summary:	<p>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]</p>



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## Product images:

