

Product datasheet for KN208525BN

OriGene Technologies, Inc.

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Dynamin 2 (DNM2) 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: Dynamin 2

Locus ID: 1785

Components: KN208525G1, Dynamin 2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN208525G2, Dynamin 2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN208525BND**, 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 001005360, NM 001005361, NM 001005362, NM 001190716, NM 004945

UniProt ID: P50570

Synonyms: CMT2M; CMTDI1; CMTDIB; DI-CMTB; DYN2; DYNII; LCCS5

Summary: Dynamins represent one of the subfamilies of GTP-binding proteins. These proteins share

considerable sequence similarity over the N-terminal portion of the molecule, which contains the GTPase domain. Dynamins are associated with microtubules. They have been implicated in cell processes such as endocytosis and cell motility, and in alterations of the membrane that accompany certain activities such as bone resorption by osteoclasts. Dynamins bind many proteins that bind actin and other cytoskeletal proteins. Dynamins can also self-assemble, a process that stimulates GTPase activity. Five alternatively spliced transcripts encoding different proteins have been described. Additional alternatively spliced transcripts may exist, but their full-length nature has not been determined. [provided by RefSeq, Jun

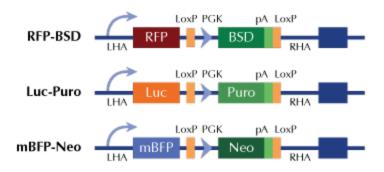
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Product images:

Donor Vector Edited Chromosome



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