

Product datasheet for **KN202315BN**

C9ORF46 (PLGRKT) 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: C9ORF46
Locus ID: 55848
Components: **KN202315G1**, C9ORF46 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)
KN202315G2, C9ORF46 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)
KN202315BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.

Homologous arm and mBFP-Neo sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **mBFP-Neo in green**; **Right arm in violet**

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 GGTATGGCTT CATTAGCTC CGGTTCCCAA CGATC

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_018465](#)

UniProt ID:

[Q9HBL7](#)

Synonyms:

AD025; C9orf46; MDS030; Plg-R(KT); PLG-RKT

Summary:

Receptor for plasminogen. Regulates urokinase plasminogen activator-dependent and stimulates tissue-type plasminogen activator-dependent cell surface plasminogen activation. Proposed to be part of a local catecholaminergic cell plasminogen activation system that regulates neuroendocrine prohormone processing. Involved in regulation of inflammatory response; regulates monocyte chemotactic migration and matrix metalloproteinase activation, such as of MMP2 and MMP9.[UniProtKB/Swiss-Prot Function]

Product images:

