

Product datasheet for KN220738LP

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

PPP4R2 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:
 PPP4R2

 Locus ID:
 151987

Components: KN220738G1, PPP4R2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN220738G2, PPP4R2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN220738LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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 001318025, NM 001318026, NM 001318027, NM 001318028, NM 174907

UniProt ID: Q9NY27
Synonyms: PP4R2

Summary: The protein encoded by this gene is a regulatory subunit of the serine/threonine-protein

phosphatase 4 complex. In addition to being required for efficient DNA double strand break

repair, this complex plays a role in organization of microtubules at centrosomes and

processing of spliceosomal snRNPs. Several transcript variants encoding different isoforms

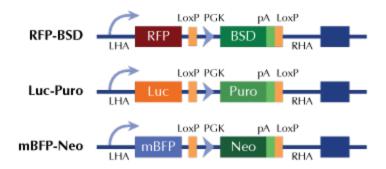
have been found for this gene. [provided by RefSeq, Dec 2015]





Product images:

Donor Vector Edited Chromosome



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