

Product datasheet for KN224902LP

OriGene Technologies, Inc.

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GABRP 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: GABRP Locus ID: 2568

Components: KN224902G1, GABRP gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN224902G2, GABRP gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN224902LPD, 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: <u>NM 001291985</u>, <u>NM 014211</u>

UniProt ID: 000591

Summary: The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that

mediates the fastest inhibitory synaptic transmission in the central nervous system. The subunit encoded by this gene is expressed in several non-neuronal tissues including the uterus and ovaries. This subunit can assemble with known GABA A receptor subunits, and the presence of this subunit alters the sensitivity of recombinant receptors to modulatory agents such as pregnanolone. Alternatively spliced transcript variants encoding different isoforms

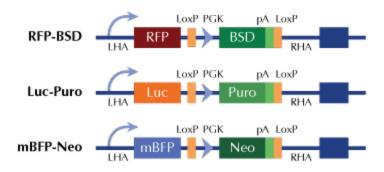
have been found for this gene. [provided by RefSeq, May 2014]





Product images:

Donor Vector Edited Chromosome



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