

Product datasheet for KN209832LP

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

Aryl hydrocarbon Receptor (AHR) 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: Aryl hydrocarbon Receptor

Locus ID: 196

Components: KN209832G1, Aryl hydrocarbon Receptor gRNA vector 1 in pCas-Guide CRISPR vector

(GE100002)

KN209832G2, Aryl hydrocarbon Receptor gRNA vector 2 in pCas-Guide CRISPR vector

(GE100002)

KN209832LPD, 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.

RefSeg: NM 001621

UniProt ID: P35869

Synonyms: bHLHe76

Summary: The protein encoded by this gene is a ligand-activated helix-loop-helix transcription factor

involved in the regulation of biological responses to planar aromatic hydrocarbons. This receptor has been shown to regulate xenobiotic-metabolizing enzymes such as cytochrome P450. Before ligand binding, the encoded protein is sequestered in the cytoplasm; upon ligand binding, this protein moves to the nucleus and stimulates transcription of target genes.

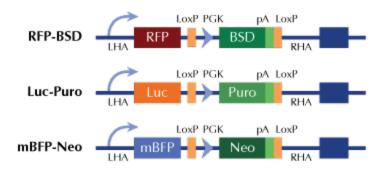
[provided by RefSeg, Sep 2015]





Product images:

Donor Vector Edited Chromosome



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