

Product datasheet for KN214439BN

AKAP12 Human Gene Knockout Kit (CRISPR)

9590

Product data:

Locus ID:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo Symbol: AKAP12

Components: KN214439G1, AKAP12 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN214439G2, AKAP12 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN214439BND, 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: <u>NM 005100, NM 144497, NM 001370346</u>

UniProt ID: Q02952

Synonyms: AKAP250; SSeCKS

Summary: The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have

the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member

of the AKAP family. The encoded protein is expressed in endothelial cells, cultured fibroblasts, and osteosarcoma cells. It associates with protein kinases A and C and

phosphatase, and serves as a scaffold protein in signal transduction. This protein and RII PKA colocalize at the cell periphery. This protein is a cell growth-related protein. Antibodies to this protein can be produced by patients with myasthenia gravis. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

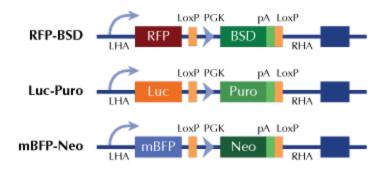
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Product images:

Donor Vector Edited Chromosome



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