

## **Product datasheet for KN204874RB**

#### OriGene Technologies, Inc.

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### RSK1 p90 (RPS6KA1) Human Gene Knockout Kit (CRISPR)

#### **Product data:**

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA:RFP-BSDSymbol:RSK1 p90Locus ID:6195

**Components:** KN204874G1, RSK1 p90 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN204874G2**, RSK1 p90 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN204874RBD**, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

**GE100003**, scramble sequence in pCas-Guide vector

RefSeq: <u>NM 001006665</u>, <u>NM 002953</u>, <u>NM 001330441</u>

UniProt ID: Q15418

Synonyms: HU-1; MAPKAPK1A; p90Rsk; RSK; RSK1

Summary: This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine

kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have

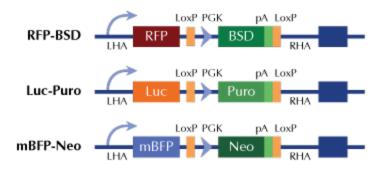
been characterized. [provided by RefSeq, Jul 2008]





# **Product images:**

### Donor Vector Edited Chromosome



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