

## Product datasheet for **KN206920BN**

### Activin A Receptor Type IB (ACVR1B) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	Activin A Receptor Type IB
Locus ID:	91
Components:	<b>KN206920G1</b> , Activin A Receptor Type IB gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN206920G2</b> , Activin A Receptor Type IB gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN206920BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , 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\\_004302](#), [NM\\_020327](#), [NM\\_020328](#)

**UniProt ID:** [P36896](#)

**Synonyms:** ACTRIB; ACVRLK4; ALK4; SKR2

**Summary:** This gene encodes an activin A type IB receptor. Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I and two type II receptors. This protein is a type I receptor which is essential for signaling. Mutations in this gene are associated with pituitary tumors. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]



[View online »](#)

Product images:

