

## Product datasheet for KN212786LP

#### OriGene Technologies, Inc.

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## **RON (MST1R) 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: RON Locus ID: 4486

**Components:** KN212786G1, RON gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN212786G2**, RON gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN212786LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 001244937, NM 001318913, NM 002447, NR 134919

UniProt ID: Q04912

Synonyms: CD136; CDw136; PTK8; RON

Summary: This gene encodes a cell surface receptor for macrophage-stimulating protein (MSP) with

tyrosine kinase activity. The mature form of this protein is a heterodimer of disulfide-linked alpha and beta subunits, generated by proteolytic cleavage of a single-chain precursor. The beta subunit undergoes tyrosine phosphorylation upon stimulation by MSP. This protein is expressed on the ciliated epithelia of the mucociliary transport apparatus of the lung, and together with MSP, thought to be involved in host defense. Alternative splicing generates multiple transcript variants encoding different isoforms that may undergo similar proteolytic

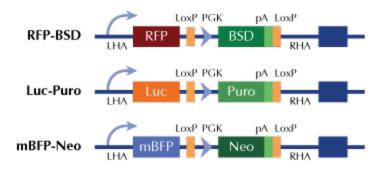
processing. [provided by RefSeq, Jan 2016]





# **Product images:**

### Donor Vector Edited Chromosome



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