

Product datasheet for KN204351BN

TYK2 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

TYK2 Symbol: 7297 Locus ID:

KN204351G1, TYK2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN204351G2, TYK2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN204351BND, 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.

NM 003331 RefSeq:

UniProt ID: P29597

Synonyms: IMD35; JTK1

Summary: This gene encodes a member of the tyrosine kinase and, more specifically, the Janus kinases

> (JAKs) protein families. This protein associates with the cytoplasmic domain of type I and type II cytokine receptors and promulgate cytokine signals by phosphorylating receptor subunits. It is also a component of both the type I and type III interferon signaling pathways. As such, it may play a role in anti-viral immunity. A mutation in this gene has been associated with

Immunodeficiency 35. [provided by RefSeq, Sep 2020]



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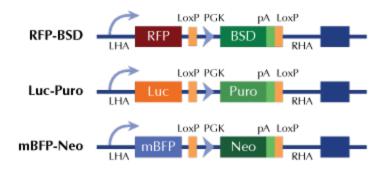
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Product images:

Donor Vector Edited Chromosome



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