

Product datasheet for KN209305BN

SOCS3 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

SOCS3 Symbol:

9021 Locus ID:

KN209305G1, SOCS3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN209305G2, SOCS3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN209305BND, 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: NM 003955

UniProt ID: 014543

Synonyms: ATOD4; CIS3; Cish3; SOCS-3; SSI-3; SSI3

Summary: This gene encodes a member of the STAT-induced STAT inhibitor (SSI), also known as

> suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene is induced by various cytokines, including IL6, IL10, and interferon (IFN)-gamma. The protein encoded by this gene

can bind to JAK2 kinase, and inhibit the activity of JAK2 kinase. Studies of the mouse

counterpart of this gene suggested the roles of this gene in the negative regulation of fetal

liver hematopoiesis, and placental development. [provided by RefSeq, Jul 2008]



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

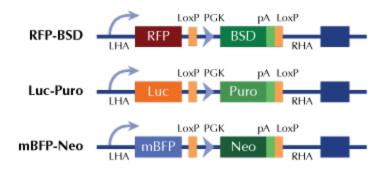
CN: techsupport@origene.cn

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