

Product datasheet for KN206822BN

OGT 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

OGT Symbol: 8473 Locus ID:

KN206822G1, OGT gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN206822G2, OGT gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN206822BND, 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 003605, NM 181672, NM 181673 RefSeq:

UniProt ID: 015294

Synonyms: FLJ23071; HRNT1; MGC22921; O-GLCNAC

Summary: This gene encodes a glycosyltransferase that catalyzes the addition of a single N-

acetylglucosamine in O-glycosidic linkage to serine or threonine residues. Since both

phosphorylation and glycosylation compete for similar serine or threonine residues, the two processes may compete for sites, or they may alter the substrate specificity of nearby sites by steric or electrostatic effects. The protein contains multiple tetratricopeptide repeats that are

required for optimal recognition of substrates. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Oct 2009]



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

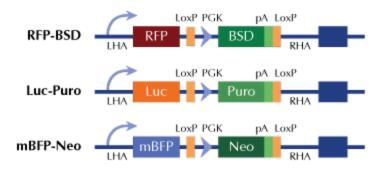
CN: techsupport@origene.cn

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