

Product datasheet for KN301808BN

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OriGene Technologies, Inc.

Atp6v0a2 Mouse 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: Atp6v0a2 Locus ID: 21871

Components: KN301808G1, Atp6v0a2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN301808G2, Atp6v0a2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN301808BND, 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: <u>NM 011596</u>

UniProt ID: <u>P15920</u>

Synonyms: 8430408C20Rik; Al385560; ATP6a2; Atp6n1d; Atp6n2; AW489264; C76904; ISF; J6B7; SHIF;

Stv1; Tj6

Summary: This gene encodes a subunit of vacuolar ATPase, a multimeric enzyme that localizes to

intracellular vesicles and to the plasma membrane of specialized cells. The encoded protein

is a component of the V(0) domain, which functions in proton translocation across

membranes. Function of this gene is important in fetal-specific immune suppression during

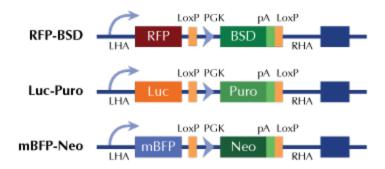
pregnancy. [provided by RefSeq, May 2013]





Product images:

Donor Vector Edited Chromosome



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