

Product datasheet for KN201808RB

FUS Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA:

FUS Symbol:

Locus ID: 2521

KN201808G1, FUS gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN201808G2, FUS gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN201808RBD, donor DNA containing left and right homologous arms and RFP-BSD

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 001010850, NM 001170634, NM 001170937, NM 004960, NR 028388

UniProt ID: P35637

Synonyms: FUS-CHOP; FUS1; TLS

Summary: This gene encodes a multifunctional protein component of the heterogeneous nuclear

> ribonucleoprotein (hnRNP) complex. The hnRNP complex is involved in pre-mRNA splicing and the export of fully processed mRNA to the cytoplasm. This protein belongs to the FET family of RNA-binding proteins which have been implicated in cellular processes that include regulation of gene expression, maintenance of genomic integrity and mRNA/microRNA processing. Alternative splicing results in multiple transcript variants. Defects in this gene

result in amyotrophic lateral sclerosis type 6. [provided by RefSeq, Sep 2009]



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

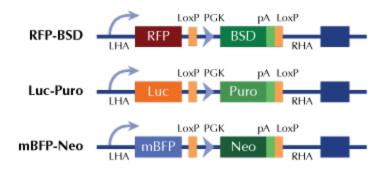
CN: techsupport@origene.cn

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