

## 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:	RFP-BSD
Symbol:	FUS
Locus ID:	2521
Components:	<b>KN201808G1</b> , FUS gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN201808G2</b> , FUS gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN201808RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD functional cassette. <b>GE100003</b> , 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]



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Product images:

