



# Recombinant Mouse RNA-binding protein FUS (Fus)

<b>Product Code</b>	CSB-BP009069MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P56959
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MASNDYTQQA TQSYGAYPTQ PGQGYSQQSS QPYGQQSYSG YQQSADTSGY GQSSYGSSYG QTQNTGYGTQ SAPQGYGSTG GYGSSQSSQS SYGQQSSYPG YGQQPAPSST SGSYGGSSQS SSYGQPQSGG YGQQSGYGGG QQSYGQQQSS YNPPQGYGQQ NQYNSSSGGG GGGGGGNYGQ DQSSMSGGGG GGGYGNQDQS GGGGGGYGGG QQDRGGRGRG GGGGYNRSSG GYEPRGRGGG RGGRGGMGGS DRGGFNKFGG PRDQGSRHDS EQDNSDNNTI FVQGLGENVT IESVADYFKQ IGIKTNKKT GQPMINLYTD RETGKLGKGEA TVSFDDPPSA KAAIDWFDGK EFGNPIKVS FATRRADFNR GGGNGRGGRG RGGPMGRGGY GGGGSGGGGR GGFPSGGGGG GGQQRAGDWK CPNPTCENMN FSWRNECNQC KAPKPDGPGG GPGGSHMGGN YGDDRRGRGG YDRGGYRGRG GDRGGFRGGR GGGDRGGFGP GKMDSRGEHR QDRRERP
<b>Source</b>	Baculovirus
<b>Target Names</b>	Fus
<b>Protein Names</b>	Recommended name: RNA-binding protein FUS Alternative name(s): Protein pigpen
<b>Expression Region</b>	1-518
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the



contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.