



# Recombinant Rat Fasciculation and elongation protein zeta-1 (Fez1)

<b>Product Code</b>	CSB-MP008600RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P97577
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEAPLVSLDE EFEDIRPCCT EDPEEKPQSL YGTSPHHLED PSLSELENFS SEIISFKSME DLVNEFDEKL NVCFRNYNAK TENLAPVKNQ LQIQEEEEETL RDEEVWDALT DNYIPSLSED WRDPNIEALN GNSSDTEIHE KEEDEFIEK SENDSGINEE PLLTADQVIE EIEEMMQNSP DPEEEVEVLE EEDGGIESSQ ADSVLLQEMQ ALTQTFNNNW SYEGLRHMSG SELTELLDQV EGAIRDFSEE LVHQLARRDE LEFEKEVKNS FITVLIEVQN KQKEQRELMK KRRKEKGLSL QSSRIEKGNG MPLKRFSMEG ISNILQSGIR QTFGSSGADR QYLNTVIPYE KKSSPPSVED LQMLTNILFA MKEDNEKVPT LLTDYILKVL CPT
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Fez1
<b>Protein Names</b>	Recommended name: Fasciculation and elongation protein zeta-1 Alternative name(s): Zygin I Zygin-1
<b>Expression Region</b>	1-393
<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 is an ortholog of the <i>C. elegans</i> unc-76 gene, which is necessary for normal axonal bundling and elongation within axon bundles. Expression of this gene in <i>C. elegans</i> unc-76 mutants can restore to the mutants partial locomotion and axonal fasciculation, suggesting that it also functions in axonal outgrowth. The N-terminal half of the gene product is highly acidic. Alternatively spliced transcript variants encoding different isoforms of this protein have been described.
<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.
<b>Shelf Life</b>	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.