



# Recombinant Rat Leukemia inhibitory factor (Lif)

<b>Product Code</b>	CSB-EP012928RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P17777
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	SPLPITPV NATCAIRHPC HGNLMNQIKS QLAQLNGSAN ALFISYYTAQ GEPFPNNVDK LCAPNMTDFP PFHANGTEKT KLVELYRMVT YLGASLTNIT WDQKNLNPTA VSLQIKLNAT TDVMRGLLSS VLCRLCNKYH VGHVDVPCVP DNSSKEAFQR KKLGCQLLGT YKQVISVLAQ AF
<b>Source</b>	E.coli
<b>Target Names</b>	Lif
<b>Protein Names</b>	Recommended name: Leukemia inhibitory factor Short name= LIF Alternative name(s): Cholinergic neuronal differentiation factor
<b>Expression Region</b>	23-202
<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 of Mature Protein
<b>Target Details</b>	This protein is a pleiotropic cytokine with roles in several different systems. It is involved in the induction of hematopoietic differentiation in normal and myeloid leukemia cells, induction of neuronal cell differentiation, regulator of mesenchymal to epithelial conversion during kidney development, and may also have a role in immune tolerance at the maternal-fetal interface.
<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.