



Recombinant Human Leukemia inhibitory factor (LIF)

Product Code	CSB-EP012928HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P15018
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SPLPITPV NATCAIRHPC HNNLMNQIRS QLAQLNGSAN ALFILYYTAQ GEPFPNLDK LCGPNVDFP PFHANGTEKA KLVELYRIVV YLGTSLGNIT RDQKILNPSA LSLHSKLNAT ADILRGLLSN VLCRLCSKYH VGHVDVTYGP DTSGKDVFQK KKLGCQLLGK YKQIIAVLAQ AF
Source	E.coli
Target Names	LIF
Protein Names	Recommended name: Leukemia inhibitory factor Short name= LIF Alternative name(s): Differentiation-stimulating factor Short name= D factor Melanoma-derived LPL inhibitor Short name= MLPLI INN= Emfilermin
Expression Region	23-202
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	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.