Recombinant Human Lymphoid enhancer-binding factor 1 (LEF1)

Product Code	CSB-EP012856HU
Abbreviation	LEF1
Storage	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.
Uniprot No.	Q9UJU2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MPQLSGGGGG GGGDPELCAT DEMIPFKDEG DPQKEKIFAE ISHPEEEGDL ADIKSSLVNE SEIIPASNGH EVARQAQTSQ EPYHDKAREH PDDGKHPDGG LYNKGPSYSS YSGYIMMPNM NNDPYMSNGS LSPPIPRTSN KVPVVQPSHA VHPLTPLITY SDEHFSPGSH PSHIPSDVNS KQGMSRHPPA PDIPTFYPLS PGGVGQITPP LGWQGQPVYP ITGGFRQPYP SSLSVDTSMS RFSHHMIPGP PGPHTTGIPH PAIVTPQVKQ EHPHTDSDLM HVKPQHEQRK EQEPKRPHIK KPLNAFMLYM KEMRANVVAE CTLKESAAIN QILGRRWHAL SREEQAKYYE LARKERQLHM QLYPGWSARD NYGKKKKRKR EKLQESASGT GPRMTAAYI
Source	E.coli
Target Names	LEF1
Protein Names	Recommended name: Lymphoid enhancer-binding factor 1 Short name= LEF-1 Alternative name(s): T cell-specific transcription factor 1-alpha Short name= TCF1-alpha
Expression Region	1-399
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 protein
Target Details	This gene encodes a transcription factor belonging to a family of proteins that share homology with the high mobility group protein-1. This protein can bind to a functionally important site in the T-cell receptor-alpha enhancer, thereby conferring maximal enhancer activity. This transcription factor is involved in the Wnt signaling pathway, and it may function in hair cell differentiation and follicle morphogenesis. Mutations in this gene have been found in somatic sebaceous tumors. This gene has also been linked to other cancers, including androgen-independent prostate cancer. Alternative splicing results in multiple transcript variants.

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.