



Recombinant Human Interleukin-37 (IL37)

Product Code	CSB-MP865190HU
Abbreviation	IL37
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.	Q9NZH6
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	VHTSP KVKNLNPKKF SIHDQDHKVL VLDSGNLIAV PDKNYIRPEI FFALASSLSS ASAEKGS PIL LGVSKGEFCL YCDKDKGQSH PSLQLKKEKL MKLAAQKESA RRPFIFYRAQ VGSWNMLESA AHPGWFICTS CNCNEPVGVT DKFENRKHIE FSFQPVCKAE MSPSEVSD
Source	Mammalian cell
Target Names	IL37
Protein Names	Recommended name: Interleukin-37 Alternative name(s): FIL1 zeta IL-1X Interleukin-1 family member 7 Short name= IL-1F7 Interleukin-1 homolog 4 Short name= IL-1H Short name= IL-1H4 Interleukin-1 zeta Short n
Expression Region	46-218
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 member of the interleukin 1 cytokine family. This cytokine can bind to, and may be a ligand for interleukin 18 receptor (IL18R1/IL-1Rrp). This cytokine also binds to interleukin 18 binding protein (IL18BP), an inhibitory binding protein of interleukin 18 (IL18), and subsequently forms a complex with IL18 receptor beta subunit, and through which it inhibits the activity of IL18. This gene along with eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Five alternatively spliced transcript variants encoding distinct isoforms have been reported.
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.