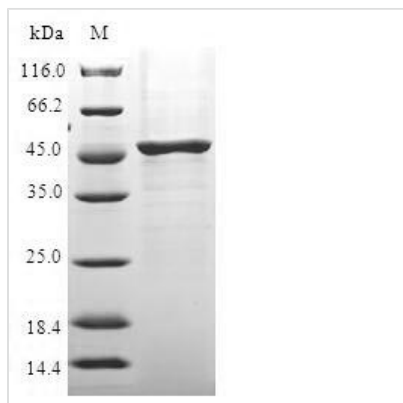




Recombinant Human Interleukin-37 (IL37)

Product Code	CSB-EP865190HU(A4)
Relevance	Suppressor of innate inflammatory and immune responses involved in curbing excessive inflammation. This function requires SMAD3. Suppresses, or reduces, proinflammatory cytokine production, including IL1A and IL6, as well as CCL12, CSF1, CSF2, CXCL13, IL1B, IL23A and IL1RN, but spares anti-inflammatory cytokines. Inhibits dendritic cell activation.
Abbreviation	Recombinant Human IL37 protein
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
Alias	FIL1 zeta IL-1X Interleukin-1 family member 7
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSFVGENSGVKMGSEDWEKDEPQCLEDPAGSPLEPGPSLPTMNFVHTSPK VKNLNPKKFSIHQDQDHKVLVLD SGNLI AV PDKNYIRPEIFFALASSLSSASAEKG SPILLGVSKGEFCLYCDKDKGQSHPSLQLKKEKLMKLA AQKESARRPFIFYRA QVGSWNMLESAHPGWFICTSCNCNEPVGVTDKFENRKHIEFSFQPVCKAEM SPSEVSD
Research Area	Immunology
Source	E.coli
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	1-218aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	51.1kDa
Protein Length	Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. 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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.