



# Recombinant Goat Interleukin-18 (IL18)

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-BP672507GO  |
| <b>Abbreviation</b>      | IL18  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.  |
| <b>Uniprot No.</b>       | Q3ZT29  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Capra hircus (Goat)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | HFGKL EPKLSIIRNL NDQVLFISQG NQPVFEDMPD SDCSDNAPQT<br>IFIIYMYKDS LTRGLAVTIS VQCKKMSTLS CENKIISFKE MNPPDNIDNE<br>GSDIIFQRS VPGHDDKIQF ESSLYKGYFL ACKKENDLFK LILKRQDDNR<br>DKSVMFTVQN QN   |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | IL18  |
| <b>Protein Names</b>     | Recommended name: Interleukin-18 Short name= IL-18 Alternative name(s):<br>Interferon gamma-inducing factor Short name= IFN-gamma-inducing factor<br>Interleukin-1 gamma Short name= IL-1 gamma   |
| <b>Expression Region</b> | 36-192  |
| <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 proinflammatory cytokine. This cytokine can induce the IFN-gamma production of T cells. The combination of this cytokine and IL12 has been shown to inhibit IL4 dependent IgE and IgG1 production, and enhance IgG2a production of B cells. IL-18 binding protein (IL18BP) can specifically interact with this cytokine, and thus negatively regulate its biological activity.            |
| <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.<br>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.  |