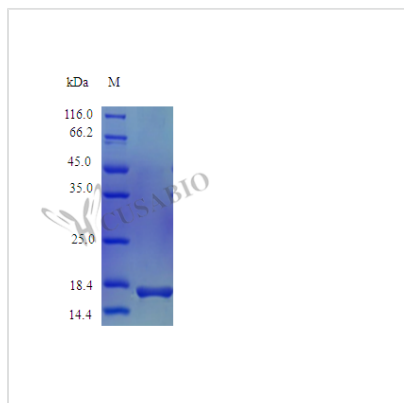




# Recombinant Horse Interleukin-1 beta protein (IL1B) (Active)

|                            |                                                                                                                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-AP003481HO                                                                                                                                                                                                             |
| <b>Abbreviation</b>        | Recombinant Horse IL1B protein (Active)                                                                                                                                                                                    |
| <b>Uniprot No.</b>         | Q28386                                                                                                                                                                                                                     |
| <b>Form</b>                | Lyophilized powder                                                                                                                                                                                                         |
| <b>Storage Buffer</b>      | Lyophilized from a 0.2 µm filtered PBS, pH 7.4, 0.1 % Tween-80                                                                                                                                                             |
| <b>Product Type</b>        | Interleukin                                                                                                                                                                                                                |
| <b>Immunogen Species</b>   | Equus caballus (Horse)                                                                                                                                                                                                     |
| <b>Biological Activity</b> | Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine D10S cells is less than 20 pg/ml, corresponding to a specific activity of $>5.0 \times 10^7$ IU/mg. |
| <b>Purity</b>              | ≥95% as determined by SDS-PAGE.                                                                                                                                                                                            |
| <b>Sequence</b>            | AAMHSVNCRL RDIYHKSLVL SGACELQAVH LNGENTNQV VFCMSFVQGE<br>EETDKIPVAL GLKEKNLYLS CGMKDGKPTL QLETVDPTY PKRKMEKRFV<br>FNKMEIKGNV EFESAMYPNW YISTSQAEKS PVFLGNTRGG RDITDFIMEI<br>TSA                                            |
| <b>Research Area</b>       | Immunology                                                                                                                                                                                                                 |
| <b>Source</b>              | E.coli                                                                                                                                                                                                                     |
| <b>Target Names</b>        | IL1B                                                                                                                                                                                                                       |
| <b>Expression Region</b>   | 116-268aa                                                                                                                                                                                                                  |
| <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-Free                                                                                                                                                                                                                   |
| <b>Mol. Weight</b>         | 17.3 kDa                                                                                                                                                                                                                   |
| <b>Protein Length</b>      | Full Length of Mature Protein                                                                                                                                                                                              |
| <b>PubMed ID</b>           | 9622738                                                                                                                                                                                                                    |

**Image**


**Endotoxin**

Less than 1.0 EU/μg as determined by LAL method.

**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.