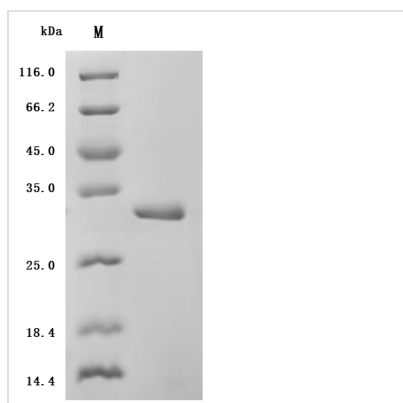




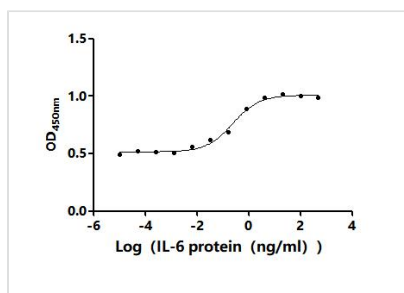
# Recombinant Human Interleukin-6 (IL6) (Active)

|                            |                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-EP011664HU                                                                                                                                                                                                                                                                  |
| <b>Abbreviation</b>        | Recombinant Human IL6 protein (Active)                                                                                                                                                                                                                                          |
| <b>Storage</b>             | 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. |
| <b>Uniprot No.</b>         | P05231                                                                                                                                                                                                                                                                          |
| <b>Form</b>                | Lyophilized powder                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b>      | Lyophilized from a 0.2 μm filtered PBS, 6% Trehalose, pH 7.4                                                                                                                                                                                                                    |
| <b>Product Type</b>        | Recombinant Protein                                                                                                                                                                                                                                                             |
| <b>Immunogen Species</b>   | Homo sapiens (Human)                                                                                                                                                                                                                                                            |
| <b>Biological Activity</b> | The ED50 as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is 0.1518 - 0.3987 ng/mL.                                                                                                                                                     |
| <b>Purity</b>              | Greater than 95% as determined by SDS-PAGE.                                                                                                                                                                                                                                     |
| <b>Sequence</b>            | VPPGEDSKDVAAPHRQPLTSSERIDKQIRYILDGISALRKETCNKSNMCESSKE<br>ALAENNLNLPKMAEKDGCQSGFNEETCLVKIITGLLEFEVYLEYLQNRFFESSE<br>EQARAVQMSTKVLIQFLQKKAKNLDAITTPDPTTNASLLTKLQAQNQWLQDMT<br>THLILRSFKEFLQSSLRALRQM                                                                             |
| <b>Source</b>              | E.coli                                                                                                                                                                                                                                                                          |
| <b>Target Names</b>        | IL6                                                                                                                                                                                                                                                                             |
| <b>Expression Region</b>   | 30-212aa                                                                                                                                                                                                                                                                        |
| <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>            | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                         |
| <b>Mol. Weight</b>         | 28.3 kDa                                                                                                                                                                                                                                                                        |
| <b>Protein Length</b>      | Full Length of Mature Protein                                                                                                                                                                                                                                                   |

## Image



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


**Activity**

The ED<sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is 0.1518 - 0.3987 ng/mL.

**Endotoxin**

Less than 1.0 EU/ug 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.