



# Recombinant Horse Interleukin-10 (IL10)

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| <b>Product Code</b>      | CSB-EP634667HO-B   |
| <b>Abbreviation</b>      | IL10   |
| <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>       | Q28374   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Equus caballus (Horse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | SR DRGTQSENSC THFPTSLPHM LHELRAAFSR VKTFFQMKDQ<br>LDNMLLNGSL LEDFKGYLGC QALSEMIQFY LEEVMPQAEN HGPDIKEHVN<br>SLGEKLTLR VRLRRCHRFL PCENKSKAVE QVKSFAFKLQ EKGVYKAMSE<br>FDIFINYIEA YMTTKMKN   |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | IL10   |
| <b>Protein Names</b>     | Recommended name: Interleukin-10 Short name= IL-10 Alternative name(s):<br>Cytokine synthesis inhibitory factor Short name= CSIF   |
| <b>Expression Region</b> | 19-178   |
| <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 cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. |
| <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.   |



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