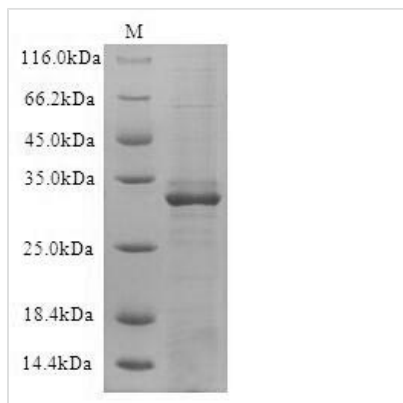




# Recombinant Human B-lymphocyte antigen CD19 (CD19), partial

|                          |                                                                                                                                                                                                                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-CF004888HUc7                                                                                                                                                                                                                                                                                 |
| <b>Relevance</b>         | Assembles with the antigen receptor of B-lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.                                                                                                                                                              |
| <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>       | P15391                                                                                                                                                                                                                                                                                           |
| <b>Product Type</b>      | Transmembrane Protein                                                                                                                                                                                                                                                                            |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                             |
| <b>Purity</b>            | ≥ 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                 |
| <b>Sequence</b>          | PEEPLVVKVEEGDNAVLQCLKGTSDGPTQQLTWSRESPLKPFLKLSLGLPGLG<br>IHMRPLAIWLFIFNVSQQMGGFYLCQPGPPSEKAWQPGWTVNVEGSGELFR<br>WNVSDLGGLGCGLKNRSSEGPSSPSGKLMSPKLYVWAKDRPEIWEGEPPCL<br>PPRDSLNSLSQDLTMAPGSTLWLSGCVPPDSVSRGPLSWTHVHPKGPKSL<br>SLELKDDRPARDMWMETGLLLPRATAQDAGKYYCHRGNTMSFHLEITARP<br>VLWHWLLRTGGWK |
| <b>Research Area</b>     | Immunology                                                                                                                                                                                                                                                                                       |
| <b>Source</b>            | in vitro E.coli expression system                                                                                                                                                                                                                                                                |
| <b>Target Names</b>      | CD19                                                                                                                                                                                                                                                                                             |
| <b>Protein Names</b>     | B-lymphocyte surface antigen B4Differentiation antigen CD19T-cell surface antigen Leu-12CD_antigen: CD19                                                                                                                                                                                         |
| <b>Expression Region</b> | 20-291aa                                                                                                                                                                                                                                                                                         |
| <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>          | C-terminal 6xHis-tagged                                                                                                                                                                                                                                                                          |
| <b>Mol. Weight</b>       | 30.8kDa                                                                                                                                                                                                                                                                                          |
| <b>Protein Length</b>    | Extracellular Domain                                                                                                                                                                                                                                                                             |
| <b>Image</b>             |                                                                                                                                                                                                                                                                                                  |



(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°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.