



# Recombinant Human Integrin beta-1-binding protein 1 (ITGB1BP1)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP011881HU-B  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | O14713  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MFRKGGKKRHS SSSSQSSEIS TKSKSVDSSL GGLSRSTVA SLDTDSTKSS<br>GQSNNSDTC AEFRIKYVGA IEKLLSEGGK GLEGPLDLIN YIDVAQQDGK<br>LPFVPPEEEF IMGVSKYGIK VSTSDQYDVL HRHALYLIIR MVCYDDGLGA<br>GKSLALKTT DASNEEYSLW VYQCNSLEQA QAICKVLSTA FDSVLTSEKP  |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | ITGB1BP1  |
| <b>Protein Names</b>     | Recommended name: Integrin beta-1-binding protein 1 Alternative name(s):<br>Integrin cytoplasmic domain-associated protein 1 Short name= ICAP-1   |
| <b>Expression Region</b> | 1-200   |
| <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 protein   |
| <b>Target Details</b>    | The cytoplasmic domains of integrins are essential for cell adhesion. This protein binds to the beta1 integrin cytoplasmic domain. The interaction between this protein and beta1 integrin is highly specific. Two isoforms of this protein are derived from alternatively spliced transcripts. The shorter form of this protein does not interact with the beta1 integrin cytoplasmic domain. The longer form is a phosphoprotein and the extent of its phosphorylation is regulated by the cell-matrix interaction, suggesting an important role of this protein during integrin-dependent cell adhesion. |
| <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.  |