



Recombinant Chicken Integrin alpha-1 (ITGA1)

| | |
|--------------------------|--|
| Product Code | CSB-EP835455CH |
| Abbreviation | ITGA1 |
| Storage | 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. |
| Uniprot No. | Q90615 |
| Product Type | Recombinant Protein |
| Immunogen Species | Gallus gallus (Chicken) |
| Purity | >85% (SDS-PAGE) |
| Sequence | ENMTFGTTLV TNPKGGFLAC GPLYAYKCGR LHYYTGVCNS VSSTFETVKA VAPSVQECKT QLDIVIVLDG SNSIYPWESV TAFLNSLLRN MDIGPQQTQV GIVQYGQTVV HEFYLNITYST TEEVMDAALR IRQRGGTQTM TALGIDTARE EAFTEAHGAR RGVQKVMVIV TDGESHDNYR LQEVIDKCED ENIQRFAIAI LGSYSRGNLS TEKFVEEIKS IASKPTEKHF FNVSEDELALV TIVEALGERI FALEATTDQQ AASFEMEMSQ AGFSAHYSQD WVMLG |
| Source | E.coli |
| Target Names | ITGA1 |
| Protein Names | Recommended name: Integrin alpha-1 Alternative name(s): Laminin and collagen receptor VLA-1 |
| Expression Region | 1-285 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Extracellular domain |
| Target Details | This gene encodes the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1 subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding. |
| 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.