



# Recombinant Sheep 14-3-3 protein beta/alpha (YWHAB)

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| <b>Product Code</b>      | CSB-BP026285SH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Uniprot No.</b>       | P68251                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen Species</b> | Ovis aries (Sheep)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Sequence</b>          | MTMDKSELVQ KAKLAEQAER YDDMAAAMKA VTEQGHESLN EERNLLSVAY<br>KNVVGARRSS WRVISSIEQK TERNEKKQQM GKEYKMKGDY FRYLSEVASG<br>DNKQTTVSNS QQAYQEA FEI SKKEMQPTHP IRLGLALNFS VFYYEILNSP<br>EAIAELDTLN EESYKDSTLI MQLLRDNLTL WTSENQGDEG DAG                                                                                                                                                                                                                                                                                               |
| <b>Source</b>            | Baculovirus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Target Names</b>      | YWHAB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Names</b>     | Recommended name: 14-3-3 protein beta/alpha Alternative name(s): Protein kinase C inhibitor protein 1 Short name= KCIP-1 Cleaved into the following chain: 1. 14-3-3 protein beta/alpha, N-terminally processed                                                                                                                                                                                                                                                                                                              |
| <b>Expression Region</b> | 1-193                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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>    | This gene encodes a protein belonging to the 14-3-3 family of proteins, members of which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants, which encode the same protein, have been identified for this gene. |
| <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. 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.                                                                                                                                                                                                                                              |