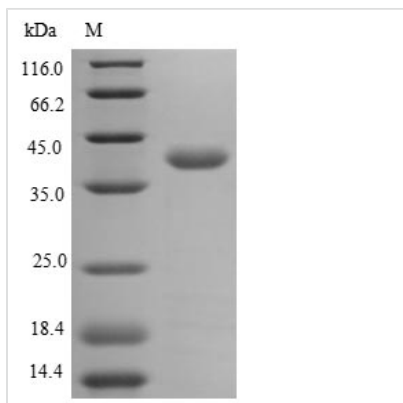




# Recombinant Human Annexin A2 (ANXA2)

|                          |   |
|--------------------------|---|
| <b>Product Code</b>      | CSB-EP001840HUa0  |
| <b>Relevance</b>         | Calcium-regulated membrane-binding protein whose affinity for calcium is greatly enhanced by anionic phospholipids. It binds two calcium ions with high affinity. May be involved in heat-stress response. Inhibits PCSK9-enhanced LDLR degradation, probably reduces PCSK9 protein levels via a translational mechanism but also competes with LDLR for binding with PCSK9 |
| <b>Abbreviation</b>      | Recombinant Human ANXA2 protein   |
| <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>       | P07355  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | Greater than 85% as determined by SDS-PAGE.   |
| <b>Sequence</b>          | STVHEILCKLSLEGDHSTPPSAYGSVKAYTNFDAERDALNIETAIKTKGVDEVTI<br>VNILTNRSNAQRQDIAFAYQRRTKKELASALKSALSGHLETVILGLLKTPAQYDA<br>SELKASMKGLGTDEDSLIEIICSRTNQELQEINRVYKEMYKTDLEKDIISDTS<br>FRKLMVALAKGRRRAEDGSVIDYELIDQDARDLYDAGVKRKGTDVDPKWISIMTE<br>RSVPHLQKVFDRIKSYSPYDMLSEIRKEVKGDLENALNLVQCIQNKPLYFAD<br>RLYDSMKGKGTRDKVLIRIMVSRSEVDMLKIRSEFKRKYGKSLYYYIQQDTKG<br>DYQKALLYLCGGDD   |
| <b>Research Area</b>     | Signal Transduction   |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | ANXA2   |
| <b>Protein Names</b>     | Annexin II Annexin-2 Calpactin I heavy chain Calpactin-1 heavy chain<br>Chromobindin-8 Lipocortin II Placental anticoagulant protein IV Short name:<br>PAP-IV Protein I p36 ANX2, ANX2L4, CAL1H, LPC2D  |
| <b>Expression Region</b> | 2-339aa   |
| <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>          | N-terminal 6xHis-tagged   |
| <b>Mol. Weight</b>       | 42.5 kDa  |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <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

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