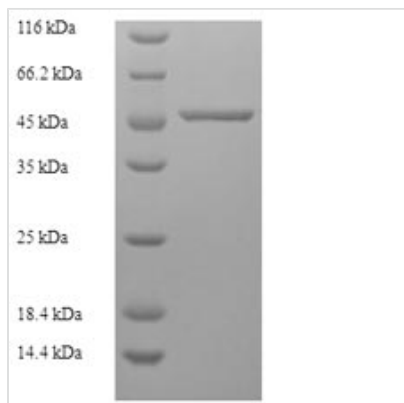




Recombinant Human F-actin-capping protein subunit alpha-2 (CAPZA2)

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|--------------------------|--|
| Product Code | CSB-EP004512HU |
| Relevance | F-actin-capping proteins bind in a Ca ²⁺ -independent manner to the fast growing ends of actin filaments (barbed end) thereby blocking the exchange of subunits at these ends. Unlike other capping proteins (such as gelsolin and severin), these proteins do not sever actin filaments. |
| Abbreviation | Recombinant Human CAPZA2 protein |
| 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. | P47755 |
| Alias | CapZ alpha-2 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | ≥ 90% as determined by SDS-PAGE. |
| Sequence | ADLEEQLSDEEKVRIA AKFIIHAPPGEFNEVFNDVRLLLNNDNLLREGAAHAFAYNLDQFTPVKIEGYEDQVLITEHGD LGNGKFLDPKNRICFKFDHLRKEATDPRPCEVENAVESWR TSVETALRAYVKEHYPNGVCTVYGKKIDGQQTIACIESHQFQAKNFWNGRWRSEWKFTITPSTTQVVGILKIQVHYEDGNVQLVSHKDIQDSLTVSNEVQTAKEFIKIVEAAENEYQTAISENYQTMSDTTFKALRRQLPVTRTKIDWNKILSYKIGKEMQNA |
| Research Area | Signal Transduction |
| Source | E.coli |
| Target Names | CAPZA2 |
| Expression Region | 2-286aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 6xHis-SUMO-tagged |
| Mol. Weight | 48.8kDa |
| Protein Length | Full Length of Mature Protein |
| Image | |



(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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