



Recombinant Human Beta-centractin (ACTR1B)

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| Product Code | CSB-BP001247HU |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P42025 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MESYDIIANQ PVVIDNGSGV IKAGFAGDQI PKYCFPNYVG RPKHMRVMAG ALEGDLFIGP KAEHRGLLT IRYPMEHGTV RDWNDMERIW QYVYSKDQLQ TFSEHPVLL TEAPLNPSKN REKAAEVFFE TFNVPALFIS MQAVLSLYAT GRTTGVLDS GDGVTHAVPI YEGFAMPHSI MRVDIAGR DV SRYLRLLLRK EGVDFHTSAE FEVVRTIKER ACYLSINPQK DEALETEKVQ YTLDPDGSTLD VGPFRAPRAPE LLFQPDVGD ESEGLHEVVA FAIHKSDMDL RRTLFANIVL SGGSTLFKGF GDRLLSEVKK LAPKDIKIKI SAPQERLYST WIGGSILASL DTFKKMVWSK KEYEEDGSRA IHRKTF |
| Source | Baculovirus |
| Target Names | ACTR1B |
| Protein Names | Recommended name: Beta-centractin Alternative name(s): Actin-related protein 1B Short name= ARP1B |
| Expression Region | 1-376 |
| 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 | Full length protein |
| Target Details | This gene encodes a 42.3 kD subunit of dynactin, a macromolecular complex consisting of 10 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein and is involved in a diverse array of cellular functions, including ER-to-Golgi transport, the centripetal movement of lysosomes and endosomes, spindle formation, chromosome movement, nuclear positioning, and axonogenesis. This subunit, like ACTR1A, is an actin-related protein. These two proteins, which are of equal length and share 90% amino acid identity, are present in a constant ratio of approximately 1:15 in the dynactin complex. |
| 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.