



Recombinant Human Alpha-centractin (ACTR1A)

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| Product Code | CSB-EP001246HU |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P61163 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MESYDVIANQ PVVIDNGSGV IKAGFAGDQI PKYCFPNYVG RPKHVRVMAG ALEGDIFIGP KAEHRGLLS IRYPMEHGIV KDWNDMERIW QYVYSKDQLQ TFSEHPVLL TEAPLNPRKN RERAAEVFFE TFNVPALFIS MQAVLSLYAT GRTTGVLDS GDGVTHAVPI YEGFAMPHSI MRIDIAGRDV SRFLRLYLK EGYDFHSSSE FEIVKAiker ACYLSINPQK DETLETEKAQ YYLPDGSIE IGPSRFRAP E LLFRPDLIGE ESEGIHEVLV FAIQKSDMDL RRTLFSNIVL SGGSTLFKGF GDRLLSEVKK LAPKDVKIRI SAPQERLYST WIGGSILASL DTFKKMVWSK KEYEEDGARS IHRKTF |
| Source | E.coli |
| Target Names | ACTR1A |
| Protein Names | Recommended name: Alpha-centractin Short name= Centractin Alternative name(s): ARP1 Actin-RPV Centrosome-associated actin homolog |
| 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 42.6 kD subunit of dynactin, a macromolecular complex consisting of 10-11 subunits ranging in size from 22 to 150 kD. Dynactin binds to both microtubules and cytoplasmic dynein. It 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 is present in 8-13 copies per dynactin molecule, and is the most abundant molecule in the dynactin complex. It is an actin-related protein, and is approximately 60% identical at the amino acid level to conventional actin. |
| 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.