Recombinant Human Beta-centractin (ACTR1B)

Product Code	CSB-EP001247HU
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 KAEEHRGLLT IRYPMEHGVV RDWNDMERIW QYVYSKDQLQ TFSEEHPVLL TEAPLNPSKN REKAAEVFFE TFNVPALFIS MQAVLSLYAT GRTTGVVLDS GDGVTHAVPI YEGFAMPHSI MRVDIAGRDV SRYLRLLLRK EGVDFHTSAE FEVVRTIKER ACYLSINPQK DEALETEKVQ YTLPDGSTLD VGPARFRAPE LLFQPDLVGD ESEGLHEVVA FAIHKSDMDL RRTLFANIVL SGGSTLFKGF GDRLLSEVKK LAPKDIKIKI SAPQERLYST WIGGSILASL DTFKKMWVSK KEYEEDGSRA IHRKTF
Source	E.coli
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.