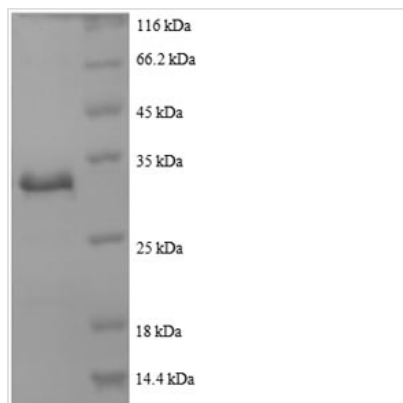


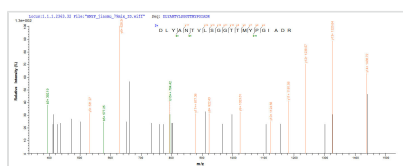


Recombinant Human Actin, cytoplasmic 1 (ACTB), partial

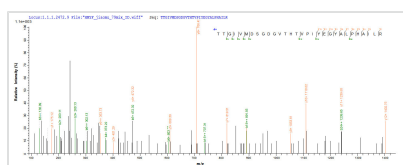
Product Code	CSB-EP001207HU1
Relevance	Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability 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.	P60709
Alias	Beta-actin
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	PVLLTEAPLNPKANREKMTQIMFETFNTPAMYVAIQAVLSLYASGRTTGIVMDS GDGVTHTVPIYEGYALPHAILRLDLAGRDLTDYLMKILTERGYSFTTTAEREIVR DIKEKLCYVALDFEQEMATAASSSSLEKSYELPDGQVITIGNERFRCPEALFQP SFLGMESCGIHETTFFNSIMKCDVDIRKDLYANTVLSGGTTMYPGIADRMQKEIT ALAPSTMKIKIIPPERKYSVWIGGSILASLSTFQQMWISKQEYDESGPSIVHRK CF
Lead Time	3-7 business days
Research Area	Signal Transduction
Source	E.coli
Gene Names	ACTB
Expression Region	102-375aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	34.6kDa
Protein Description	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-RP016294h could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) ACTB.



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Description

Delve into the realm of signal transduction with our high-quality Recombinant Human ACTB protein, an essential player in the cellular cytoskeleton. Actin, cytoplasmic 1, encoded by the human ACTB gene, is a widely conserved protein that has a critical role in diverse cellular processes, including cell motility, structural integrity, and organization.

Sourced from E.coli, this recombinant protein features a partial 102-375aa expression region and comes with an N-terminal 6xHis tag for streamlined purification. Exhibiting a purity greater than 90% as determined by SDS-PAGE, the Recombinant Human ACTB protein is provided as a lyophilized powder, facilitating consistent and reliable results in your research studies.

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.