





# Recombinant Human AP-1 complex subunit beta-1 (AP1B1), partial

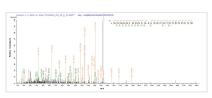
Product Code	CSB-EP604616HU
Abbreviation	Recombinant Human AP1B1 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q10567
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MTDSKYFTTTKKGEIFELKAELNSDKKEKKKEAVKKVIASMTVGKDVSALFPDV VNCMQTDNLELKKLVYLYLMNYAKSQPDMAIMAVNTFVKDCEDPNPLIRALAV RTMGCIRVDKITEYLCEPLRKCLKDEDPYVRKTAAVCVAKLHDINAQLVEDQGF LDTLKDLISDSNPMVVANAVAALSEIAESHPSSNLLDLNPQSINKLLTALNECTE WGQIFILDCLANYMPKDDREAQSICERVTPRLSHANSAVVLSAVKVLMKFMEM LSKDLDYYGTLLKKLAPPLVTLLSAEPELQYVALRNINLIVQKRPEILKHEMKVFF VKYNDPIYVKLEKLDIMIRLASQANIAQVLAELKEYATEVDVDFVRKAVRAIGRC AIKVEQSAERCVSTLLDLIQTKVNYVVQEAIVVIKDIFRKYPNKYESVIATLCENL DSLDEPEARAAMIWIVGEYAERIDNADELLESFLEGFHDESTQVQLQLLTAIVKL FLKKPTETQELVQQVLSLATQDSDNPDLRDRGYIYWRLLSTDPVAAKEVVLAE KPLISEETDLIEPTLLDELICYIGTLASVYHKPPSAFVEG
Research Area	Signal Transduction
Source	E.coli
Target Names	AP1B1
Protein Names	Recommended name: AP-1 complex subunit beta-1 Alternative name(s): Adapter-related protein complex 1 subunit beta-1 Adaptor protein complex AP-1 subunit beta-1 Beta-1-adaptin Beta-adaptin 1 Clathrin assembly protein complex 1 beta
Expression Region	1-584aa
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 and C-terminal Myc-tagged
Mol. Weight	73.3 kDa
Protein Length	Partial

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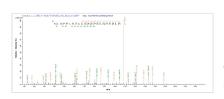




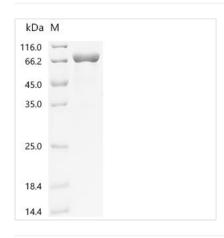
### **Image**



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP604616HU could indicate that this peptide derived from E.coli-expressed Homo sapiens (Human) AP1B1.



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

## Description

The recombinant Human AP1B1 was expressed with the amino acid range of 1-584. This AP1B1 protein is expected to have a theoretical molecular weight of 73.3 kDa. This AP1B1 recombinant protein is manufactured in e.coli. Fusion of the N-terminal 6xHis tag and C-terminal Myc tag into the AP1B1 encoding gene fragment was conducted, allowing for easier detection and purification of the AP1B1 protein in subsequent stages.

The human AP-1 complex subunit beta-1 (AP1B1) is a crucial component of the adaptor protein complex 1 (AP-1), which plays a fundamental role in intracellular protein trafficking. AP1B1 is specifically associated with the basolateral sorting of membrane proteins in polarized cells. It aids in cargo selection, vesicle formation, and transport between the trans-Golgi network and endosomes. In cell biology and membrane trafficking research, AP1B1 is studied for its involvement in maintaining cellular organization and polarity. Understanding its functions contributes to insights into intracellular transport mechanisms and potential implications for various physiological processes.

#### 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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