

Recombinant Human AP1B1 Protein, His-tagged

Cat. No. AP1B1-178H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AP1B1 Protein (Thr2-Val255) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr2-Val255
Description	Adaptor protein complex 1 is found at the cytoplasmic face of coated vesicles located at the Golgi complex, where it mediates both the recruitment of clathrin to the membrane and the recognition of sorting signals within the cytosolic tails of transmembrane receptors. This complex is a heterotetramer composed of two large, one medium, and one small adaptin subunit. The protein encoded by this gene serves as one of the large subunits of this complex and is a member of the adaptin protein family. This gene is a candidate meningioma gene. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.1 kDa Accurate Molecular Mass: 30 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
GENE INFORMATION	
Gene Name	AP1B1 adaptor-related protein complex 1, beta 1 subunit [Homo sapiens (human)]
Official Symbol	AP1B1
Synonyms	AP1B1; adaptor-related protein complex 1, beta 1 subunit; ADTB1, CLAPB2; AP-1 complex subunit beta-1; AP105A; BAM22; beta1-adaptin; beta-1-adaptin; beta-adaptin 1; beta-prime-adaptin; Golgi adaptor HA1/AP1 adaptin beta subunit; adaptor protein complex AP-1 subunit beta-1; adapter-related protein complex 1 subunit beta-1; clathrin assembly protein complex 1 beta large chain; plasma membrane adaptor HA2/AP2 adaptor beta subunit; ADTB1; CLAPB2
Gene ID	162
mRNA Refseq	NM_001127

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Protein Refseq	NP_001118
MIM	600157
UniProt ID	Q10567

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