

Recombinant Human AP4B1 Protein, His-tagged

Cat. No. AP4B1-194H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AP4B1 Protein (Met1-Arg276) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Arg276
Description	This gene encodes a subunit of a heterotetrameric adapter-like complex 4 that is involved in targeting proteins from the trans-Golgi network to the endosomal-lysosomal system. Mutations in this gene are associated with cerebral palsy spastic quadriplegic type 5 (CPSQ5) disorder. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.9 kDa Accurate Molecular Mass: 34 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

AP4B1 adaptor-related protein complex 4, beta 1 subunit [Homo sapiens (human)]

Official Symbol

AP4B1

Synonyms

AP4B1; adaptor-related protein complex 4, beta 1 subunit; spastic paraplegia 47, SPG47; AP-4 complex subunit beta-1; beta 4 subunit of AP 4; BETA 4; beta4-adaptin; spastic paraplegia 47; beta 4 subunit of AP-4; CPSQ5; SPG47; BETA-4

Gene ID

10717

mRNA Refseq

NM_001253852

Protein Refseq

NP_001240781

MIM

607245

UniProt ID

Q9Y6B7

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