

Recombinant Human AP4B1 protein, GST-tagged

Cat. No. AP4B1-661H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AP4B1 full-length ORF (ADZ15510.1, 1 a.a. - 739 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Dec 2011]
Molecular Mass	81.3 kDa
AA Sequence	MPYLGSEDVVKELKKALCNPHIQADRLRYRNVIQRVIRYMTQGLDMSGVFMEMVKA SATVDIVQKKLVLYLMCTYAPLKPDALLAINTLCKDCSDPNPMVRGLALRSMCSLR MPGVQEYIQQPILNGLRDKASYVRRVAVLGCAMHNLHGDSEVDGALVNELYSLLR DQDPIVVVNCLRSLEEILKQEGGVVINKPIAHLLNRMSKLDQWGQAEVLNFLRLRYQ PRSEEEELFDILNLLDSFLKSSSPGVVMGATKLFLILAKMFPHVQTDVLVRVKGPLLA CSSESRELCFVALCHVRQILHSLPGHFSSHYKKFFCSYSEPHYIKLQKVEVLCVLND ENVQQVLEELRGYCTDVSADFAQAAIFAIGGIARTYTDQCQVILTELLGLRQEHTTVV VQTFRDLVWLCPCQCTEAVCQALPGCEENIQDSEGKQALIWLLGVHGERIPNAPYVL

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EDFVENVKSETFPAVKMELLTALLRLFLSRPAECQDMLGRLLYYCIEEEKDMAVRDR
GLFYRLLLLVGIDEVKRILCSPKSDPTLGLLEDPAERPVNSWASDFNTLVPVYGKAH
WATISKCQGAERCDPELPKTSSFAASGPLIPEENKERVQELPDGALMLVPNRQLTA
DYFEKTWLSLKVAHQVLPWRGEFHPDTLQMALQVVNIQTAMSRAGSRPWKAYLS
AQDDTGCLFLELLEPGNSEMQISVKQNEARTETLNSFISVLETVIGTIEEIKS

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

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

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

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MIM	607245
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UniProt ID	Q9Y6B7
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