

Recombinant Full Length Human AP1B1 Protein, GST-tagged

Cat. No. AP1B1-1013HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AP1B1 full-length ORF (CAK54367.1, 1 a.a. - 939 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	939 amino acids
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. [provided by RefSeq, Oct 2009]
Molecular Mass	129.69 kDa
AA Sequence	MTDSKYFTTT KKGEIFELKA ELNSDKKEKK KEAVKKVIAS MTVGKDVSAL FPDVVNCMQT DNLELKKLVY LYLMNYAKSQ PDMAIMAVNT FVKDCEDPNP LIRALAVRTM GCIRVDKITE YLCEPLRKCL KDEDPYVRKT AAVCVAKLHD INAQLVEDQG FLDTLKDLIS DSNPMVVANA VAALSEIAES HPSSNLLDLN PQSINKLLTA LNECTEWGQI FILDCLANYM PKDDREAQSI CERVTPRLSH

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ANSAVLSAV KVLKMFMEML SKDLDDYYGTL LKKLAPPLVT LLSAEPELQY
 VALRNINLIV QKRPEILKHE MKVFFVKYND PIYVKLEKLD IMIRLASQAN
 IAQVLAELKE YATEVDVDFV RKAVRAIGRC AIKVEQSAER CVSTLLDLIQ
 TKVNYVVQEA IVVIKDIFRK YPNKYESVIA TLCENLDSLD EPEARAAAMIW
 IVGEYAERID NADELLESFL EGFHDESTQV QLQLLTAIVK LFLKKPTETQ
 ELVQQVLSLA TQSDNPDRLR DRGYIYWRLL STDPVAAKEV VLAEKPLISE
 ETDLIEPTLL DELICYIGTL ASVYHKPPSA FVEGGRGVVH KSLPPRTASS
 ESAESPETAP TGAPPGEQPD VIPAQGDLLG DLLNLDLGPP VSGPPLATSS
 VQMGAVDLLG GGLDSLIGGT NFVAPPTAAV PANLGAPIGS GLSDFDLTS
 GVGTLSGSYV APKAVWLPAM KAKGLEISGT FTRQVGSISM DLQLTNKALQ
 VMTDFAIQFN RNSFGLAPAA PLQVHAPLSP NQTVEISLPL STVGSMKME
 PLNNLQVAVK NNIDVFYFST LYPLHILFVE DGKMDRQMFLL ATWKDIPNEN
 EAQFQIRDCP LNAEAASSKL QSSNIFTVAK RNVEGQDMLY QSLKLTNGIW
 VLAELRIQPG NPSTLSLKC RAPEVSQHVY QAYETILKN

Applications

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

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 [AP1B1 adaptor-related protein complex 1, beta 1 subunit \[Homo sapiens \]](#)

Official Symbol [AP1B1](#)

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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
Protein Refseq	NP_001118
MIM	600157
UniProt ID	Q10567