

# Recombinant Full Length Human AP1B1 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human AP1B1 full-length ORF ( CAK54367.1, 1 a.a. - 939 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	939 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	129.69 kDa
<b>AA Sequence</b>	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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ANSVVLSAV KVLKMFMEML SKDLDDYYGTL LKKLAPPLVT LLSAEPELQY  
 VALRNINLIV QKRPEILKHE MKVFFVKYND PIYVKLEKLD IMIRLASQAN  
 IAQVLAELKE YATEVDVDFV RKAVRAIGRC AIKVEQSAER CVSTLLDLIQ  
 TKVNYVVQEA IVVIKDIFRK YPNKYESVIA TLCENLDSL D EPEARAA MIW  
 IVGEYAERID NADELLESFL EGFHDESTQV QLQLLTAIVK LFLKKPTETQ  
 ELVQQVLSLA TQDSNDPDLR DRGYIYWRLR STDPVAAKEV VLAEKPLISE  
 ETDLIEPTLL DELICYIGTL ASVYHKPPSA FVEGGRGVVH KSLPRTASS  
 ESAESPETAP TGAPPGEQPD VIPAQGDLLG DLLNLDLGPP VSGPPLATSS  
 VQMGAVDLLG GGLDSLIGGT NFVAPPTAAV PANLGAPIGS GLSDFDLTS  
 GVGTLGSGSYV APKAVWLPAM KAKGLEISGT FTRQVGSISM DLQLTNKALQ  
 VMTDFAIQFN RNSFGLAPAA PLQVHAPLSP NQTVEISLPL STVGSVMKME  
 PLNNLQVAVK NNIDVFYFST LYPLHILFVE DGKMDRQMFL ATWKDIPNEN  
 EAQFQIRDCP LNAEAASSKL QSSNIFTVAK RNVEGQDMLY QSLKLTNGIW  
 VLAELRIQPG NPSCTLSLKC 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

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