

Recombinant Human AP1B1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AP1B1-1261H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AP1B1 MS Standard C13 and N15-labeled recombinant protein (NP_001118) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	104.6 kDa
AA Sequence	MTDSKYFTTTKKGEIFELKAELNSDKKEKKKEAVKKVIASMTVGKDVSAFPDVVNC MQTDNLELKKLVYLYLMNYAKSQPDMAIMAVNTFVKDCEDPNPLIRALAVRTMGCIR VDKITEYLCEPLRKCLKDEDPYVRKTAAVCVAKLHDINAQLVEDQGFLDTLKDLSDS NPMVVANAVAALSEIAESHPSSNLLDLNPQSINKLLTALNECTEWGQIFILDCLANYM PKDDREAQSICERVTPRLSHANSVVLSAVKVLKFMEMLSKDLDYYGTLLKKLAPP

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LVTLLSAEPELQYVALRNINLIVQKRPEILKHEMKVFFVKYNDPIYVKLEKLDIMIRLAS
 QANIAQVLAELKEYATEVDVDFVRKAVRAIGRCAIKVEQSAERCSTLLDLIQTKVNY
 VVQEAIVVIKDIFRKYPNKEYSVIATLCENLDSLDEPEARAAAMIWIVGEYAERIDNADE
 LLESFLEGFHDESTQVQLQLLTAIVKLFLKKPTETQELVQQVLSLATQDSDNPDLRDR
 GYIYWRLSTDPVAAKEVVLAEKPLISEETDLIEPTLLDELICYIGTLASVYHKPPSAFV
 EGGRGVVHKSLPPRTASSESAESPETAPTGAPPGEQPDVIPAQGDLLGDLNLDLG
 PPVSGPPLATSSVQMGAVDLLGGGLDSLMDGDEPEGIGGTNFVAPPTAAVPANLGAP
 IGSGLSDLFDLTSGVGTLSGSYVAPKAVWLPAMKAKGLEISGTFTRQVGSISMDLQL
 TNKALQVMTDFAIQFNRSFGLAPAAPLQVHAPLSPNQTVESLPLSTVGSVMKMEP
 LNNLQVAVKNNIDVFYFSTLYPLHILFVEDGKMMDRQMFLATWKDIPNENEAQFQIRD
 CPLNAEAASSKLQSSNIFTVAKRNVEGQDMLYQSLKLTNGIWWLAELRIQPGNPSC
 TDLLESLKCRAPESVSHVYQAYETILKNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name AP1B1 adaptor related protein complex 1 subunit beta 1 [Homo sapiens (human)]

Official Symbol AP1B1

Synonyms AP1B1; adaptor-related protein complex 1, beta 1 subunit; ADTB1, CLAPB2; AP-1

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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