

Recombinant Human PAFAH1B1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PAFAH1B1-3711H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PAFAH1B1 MS Standard C13 and N15-labeled recombinant protein (NP_000421) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This locus was identified as encoding a gene that when mutated or lost caused the lissencephaly associated with Miller-Dieker lissencephaly syndrome. This gene encodes the non-catalytic alpha subunit of the intracellular Ib isoform of platelet-activating factor acetylhydrolase, a heterotrimeric enzyme that specifically catalyzes the removal of the acetyl group at the SN-2 position of platelet-activating factor (identified as 1-O-alkyl-2-acetyl-sn-glycerol-3-phosphorylcholine). Two other isoforms of intracellular platelet-activating factor acetylhydrolase exist: one composed of multiple subunits, the other, a single subunit. In addition, a single-subunit isoform of this enzyme is found in serum.
Molecular Mass	46.5 kDa
AA Sequence	MVLSQRQRDELNRAIADYLRNNGYEEAYSVFKKEAELDVNEELDKKYAGLLEKKWT SVIRLQKKVMELESKLNEAKEEFTSGGPLGQKRDPKEWIPRPPEKYALSGHRSPVT RVIFHPVFSVMVSASEDATIKVWDYETGDFERTLKGHTDSVQDISFDHSGKLLASCS ADMTIKLWDFQGFECIRTMHGHDHNVSVAIMPNGDHIVSASRDKTIKMWEVQTGY

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CVKTFTGHREWVRMVRPNQDGTLIASCSNDQTVRVWVATKECKAELREHEHVVE
CISWAPESSYSSISEATGSETKKSGKPGPFLLSGSRDKTIKMWDVSTGMCLMTLVG
HDNWVRGVLFHSGGKFILSCADDKTLRVWDYKNKRCMKTNAHEHFVTSLDFHKTA
PYVVTGSVDQTVKVVWECRSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

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 PAFAH1B1 platelet activating factor acetylhydrolase 1b regulatory subunit 1 [Homo sapiens (human)]

Official Symbol PAFAH1B1

Synonyms PAFAH1B1; platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa); MDCR, MDS, Miller Dieker syndrome chromosome region, platelet activating factor acetylhydrolase, isoform 1b, alpha subunit (45kD), platelet activating factor acetylhydrolase, isoform 1b, alpha subunit 45kDa, platelet activating factor acetylhydrolase, isoform 1b, subunit 1 (45kDa); platelet-activating factor acetylhydrolase 1B subunit alpha; LIS1; PAFAH; LIS-1; PAFAH alpha; PAF-AH alpha; PAF-AH 45 kDa subunit; lissencephaly 1 protein; lissencephaly-1 protein; PAF acetylhydrolase 45 kDa subunit; platelet-activating factor acetylhydrolase, isoform 1b,

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subunit 1 (45kDa); platelet-activating factor acetylhydrolase, isoform Ib, alpha subunit (45kD); MDS; LIS2; MDCR;

Gene ID 5048

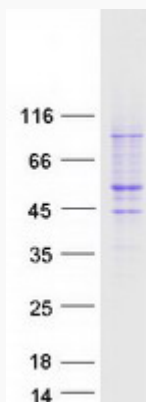
mRNA Refseq NM_000430

Protein Refseq NP_000421

MIM 601545

UniProt ID P43034

SDS-PAGE



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