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 lis sencephaly associated with Miller-Dieker lissencephaly syndrome. This gene encodes the non-catalytic alpha subunit of the intracellular Ib isoform of platelet-activating facto r acteylhydrolase, a heterotrimeric enzyme that specifically catalyzes the removal of t he acetyl group at the SN-2 position of platelet-activating factor (identified as 1-O-alky l-2-acetyl-sn-glyceryl-3-phosphorylcholine). Two other isoforms of intracellular platele t-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 seru m.
Molecular Mass	46.5 kDa
AA Sequence	MVLSQRQRDELNRAIADYLRSNGYEEAYSVFKKEAELDVNEELDKKYAGLLEKKWT SVIRLQKKVMELESKLNEAKEEFTSGGPLGQKRDPKEWIPRPPEKYALSGHRSPVT RVIFHPVFSVMVSASEDATIKVWDYETGDFERTLKGHTDSVQDISFDHSGKLLASCS ADMTIKLWDFQGFECIRTMHGHDHNVSSVAIMPNGDHIVSASRDKTIKMWEVQTGY

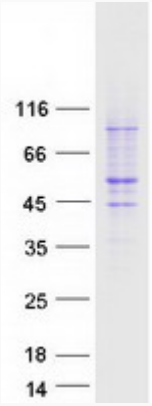
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	CVKTFTGHREWVRMVRPNQDGTLIASCSNDQTVRVWVVATKECKAELREHEHVVE CISWAPESSYSSISEATGSETKKSGKPGPFLLSGSRDKTIKMWDVSTGMCLMTLVG HDNWVRGVLFHSGGKFILSCADDKTLRVWDYKNKRCMKTLNAHEHFVTSLDFHKTA PYVVTGSVDQTVKVWECRSGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined 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 Ib, alpha subunit (45kD), platelet activating factor acetylhydrolase, isoform Ib, alpha subunit 45kDa, platelet activating factor acetylhydrolase, isoform Ib, subunit 1 (45kDa); platelet-activating factor acetylhydrolase IB 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 Ib,

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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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