

Product datasheet for PH309055

LIS1 (PAFAH1B1) (NM_000430) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PAFAH1B1 MS Standard C13 and N15-labeled recombinant protein (NP_000421)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209055
Predicted MW:	46.5 kDa
Protein Sequence:	>RC209055 representing NM_000430 Red=Cloning site Green=Tags(s)

MVLSQRQRDELNRAIADYLRSNGYEEAYSVFKKEAELDVNEELDKKYAGLLEKKWTSVIRLQKKVMELES
KLNEAKEEFTSGGPLGQKRDPKEWIPRPPEKYALSGHRSPVTRVIFHPVFSVMVSASEDATIKVWDYETG
DFERTLKGHTDSVQDISFDHSGKLLASCSADMTIKLWDFQGFECIRTMHGHHDHNVSSVAIMPNGDHIVSA
SRDKTIKMWEVQTGYCVKFTFGHREWVRMVRPNQDGLIASCSNDQTVRVVWVATKECKAELREHEHVVE
CISWAPESSYSSISEATGSETKKSGKPGPFLLSGSRDKTIKMWDVSTGMCLMTLVGHDNWVRGVLFHSGG
KFILSCADDKTLRVWDYKNKRCMKTLNAHEHFVTSDFHKTAPYVVTGSVDQTVKVVWECR

SGPTRRRRLQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000421</u>
RefSeq Size:	5581
RefSeq ORF:	1230
Synonyms:	LIS1; LIS2; MDCR; MDS; NudF; PAFAH
Locus ID:	5048



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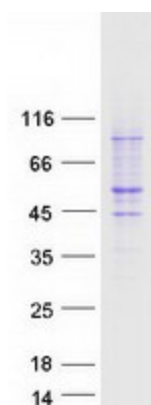
UniProt ID: [P43034](#)

Cytogenetics: 17p13.3

Summary: 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. [provided by RefSeq, Apr 2009]

Protein Pathways: Ether lipid metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified PAF1B1 protein (Cat# [TP309055]). The protein was produced from HEK293T cells transfected with PAF1B1 cDNA clone (Cat# [RC209055]) using MegaTran 2.0 (Cat# [TT210002]).