

## Recombinant Human PAFAH1B3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PAFAH1B3-5067H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | PAFAH1B3 MS Standard C13 and N15-labeled recombinant protein (NP_001139412) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | This gene encodes an acetylhydrolase that catalyzes the removal of an acetyl group from the glycerol backbone of platelet-activating factor. The encoded enzyme is a subunit of the platelet-activating factor acetylhydrolase isoform 1B complex, which consists of the catalytic beta and gamma subunits and the regulatory alpha subunit. This complex functions in brain development. A translocation between this gene on chromosome 19 and the CDC-like kinase 2 gene on chromosome 1 has been observed, and was associated with cognitive disability, ataxia, and atrophy of the brain. Alternatively spliced transcript variants have been described. |
| <b>Molecular Mass</b>   | 25.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MSGEENPASKPTPVQDVQGDGRWMSLHHRFVADSKDKEPEVVFIGDSLVLQMHQ<br>CEIWRELFSPHLHALNFGIGGDGTQHVLWRLLENGELEHIRPKIVVWVGTNNHGHTAE<br>QVTGGIKAIVQLVNERQPQARVVVLGLLPRGQHPNPLREKNRQVNELVRAALAGHP<br>RAHFLDADPGFVHSDGTISHHDMYDYLHLSRLGYTPVCRALHSLLLRLLAQDQGQG<br>APLLEPAPTRTRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                                                                                                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>        | PAFAH1B3 platelet activating factor acetylhydrolase 1b catalytic subunit 3 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Official Symbol</b>  | PAFAH1B3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | PAFAH1B3; platelet-activating factor acetylhydrolase 1b, catalytic subunit 3 (29kDa); platelet activating factor acetylhydrolase, isoform Ib, gamma subunit (29kD), platelet activating factor acetylhydrolase, isoform Ib, gamma subunit 29kDa, platelet activating factor acetylhydrolase, isoform Ib, subunit 3 (29kDa); platelet-activating factor acetylhydrolase IB subunit gamma; PAF AH1b alpha 1 subunit; PAFAH subunit gamma; PAF-AH subunit gamma; PAF-AH 29 kDa subunit; PAF-AH1b alpha 1 subunit; PAF acetylhydrolase 29 kDa subunit; platelet-activating factor acetylhydrolase, isoform Ib, subunit 3 (29kDa); PAFAHG; FLJ44990; |
| <b>Gene ID</b>          | 5050                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>      | NM_001145940                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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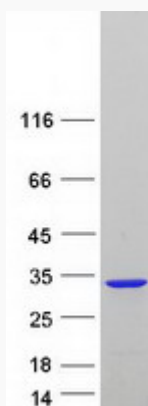
 45-1 Ramsey Road, Shirley, NY 11967, USA

**Protein Refseq** NP\_001139412

**MIM** 603074

**UniProt ID** Q15102

**SDS-PAGE**



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