

# Recombinant Full Length Human PAFAH1B3 Protein

**Cat. No.** PAFAH1B3-359HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length Human PAFAH1B3 with N-terminal proprietary tag. Predicted MW 51.52kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 231 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <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 mental retardation, ataxia, and atrophy of the brain. Alternatively spliced transcript variants have been described. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 51.520kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MSGEENPASKPTPVQDVQGDGRWMSLHHRFVADSKDKEPE VVFIGDSLVLQMLHQ<br>CEIWRELFSPHLHALNFGIGDGTQHV LWRLENGELHIRPKIVVWVGTTNNHGHTA<br>EQVTGGIKAI VQLVNERQPQARVVVLGLLPRGQHPNPLREKNRQVNELVR AALAG                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|                       |                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------|
|                       | HPRAHFLDADPGFVHSDGTISHHDMYDYLHLSRLG YTPVCRALHSLLLRLLAQDQG<br>QGAPLLEPAP                            |
| <b>Purity</b>         | Proprietary Purification                                                                           |
| <b>Storage</b>        | Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles. |
| <b>Storage Buffer</b> | pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.                                          |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                               |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">PAFAH1B3 platelet-activating factor acetylhydrolase 1b, catalytic subunit 3 (29kDa) [ Homo sapiens ]</a>                                                                                                                                          |
| <b>Official Symbol</b> | <a href="#">PAFAH1B3</a>                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | PAFAH1B3; platelet-activating factor acetylhydrolase 1b, catalytic subunit 3 (29kDa); platelet activating factor acetylhydrolase, isoform 1b, gamma subunit (29kD) , platelet activating factor acetylhydrolase, isoform 1b, gamma subunit 29kDa , platelet a |
| <b>Gene ID</b>         | <a href="#">5050</a>                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>     | <a href="#">NM_001145939</a>                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>  | <a href="#">NP_001139411</a>                                                                                                                                                                                                                                  |
| <b>MIM</b>             | <a href="#">603074</a>                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>      | <a href="#">Q15102</a>                                                                                                                                                                                                                                        |

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