

## Product datasheet for TP327227

### PAFAH1B3 (NM\_001145939) Human Recombinant Protein

#### Product data:

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| <b>Product Type:</b>                         | Recombinant Proteins   |
| <b>Description:</b>                          | Recombinant protein of human platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit 29kDa (PAFAH1B3), transcript variant 1, 20 µg   |
| <b>Species:</b>                              | Human  |
| <b>Expression Host:</b>                      | HEK293T  |
| <b>Expression cDNA Clone or AA Sequence:</b> | >RC227227 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|  | MSGEENPASKPTPVQDVQGDGRWMSLHHRFVADSKDKEPEVVFIGDSLQMLHQCEIWRELFSPHAL<br>NF<br>GIGGDGTQHVLWRLNGELEHIRPKIVVWVGTNNHGHTAEQVTGGIKAIVQLVNERQPQARVWVLGLL<br>P<br>RGQHPNPLREKNRQVNELVRAALAGHPRAHFLDADPGFVHSDGTISHHDMYDYLHLSRLGYTPVCRAL<br>HS<br>LLRLLAQDQGQGAPLLEPAP |
|  | <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>   |
| <b>Tag:</b>                                  | C-Myc/DDK  |
| <b>Predicted MW:</b>                         | 25.6 kDa   |
| <b>Concentration:</b>                        | >0.05 µg/µL as determined by microplate BCA method   |
| <b>Purity:</b>                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Buffer:</b>                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| <b>Preparation:</b>                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| <b>Note:</b>                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   |
| <b>Storage:</b>                              | Store at -80°C.  |
| <b>Stability:</b>                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |



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RefSeq: [NP\\_001139411](#)

Locus ID: 5050

UniProt ID: [Q15102](#)

RefSeq Size: 1108

Cytogenetics: 19q13.2

RefSeq ORF: 693

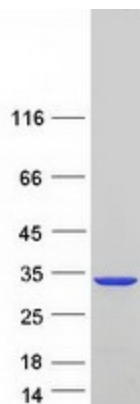
Synonyms: PAFAHG

**Summary:** 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. [provided by RefSeq, Mar 2009]

**Protein Families:** Druggable Genome

**Protein Pathways:** Ether lipid metabolism, Metabolic pathways

### Product images:



Coomassie blue staining of purified PAFAH1B3 protein (Cat# TP327227). The protein was produced from HEK293T cells transfected with PAFAH1B3 cDNA clone (Cat# [RC227227]) using MegaTran 2.0 (Cat# [TT210002]).