

## Product datasheet for PH301268

### PAFAH1B3 (NM\_002573) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PAFAH1B3 MS Standard C13 and N15-labeled recombinant protein (NP_002564)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201268
Predicted MW:	25.7 kDa
Protein Sequence:	<p>&gt;RC201268 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSGGEENPASKPTPVQDVQGDGRWMSLHHRFVADSKDKEPEVVF IGDSLVLQMHQCEIWRELF SPLHALNF            GIGGDGTQHVLRLENGELEHIRPKIVVWVGTTNNHGHTAEQVTGGIKAIQVLVNERQPQARVVVLGLLP            RGQHPNPLREKNRQVNELVRAALAGHPRAHFLDADPGFVHSDGTISHHDMYDYLHLSRLGYTPVCRALHS            LLLRLLAQDQGQGAPLLEPAP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_002564</a>
RefSeq Size:	1086
RefSeq ORF:	693
Synonyms:	PAFAHG
Locus ID:	5050
UniProt ID:	<a href="#">Q15102</a> , <a href="#">A0A024R0L6</a>


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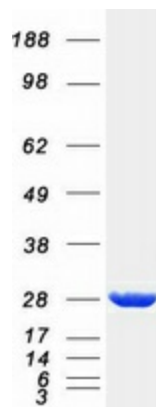
**Cytogenetics:** 19q13.2

**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# [TP301268]). The protein was produced from HEK293T cells transfected with PAFAH1B3 cDNA clone (Cat# [RC201268]) using MegaTran 2.0 (Cat# [TT210002]).