
Product Data Sheet

Product Name: PAFAH1B3 Human
 Cat. No.: GP22043
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Platelet-activating factor acetylhydrolase 1b catalytic subunit 3 (29kDa); PAF acetylhydrolase 29 kDa subunit; platelet-activating factor acetylhydrolase; isoform 1b gamma subunit (29kD); PAF-AH1b alpha 1 subunit; PAF-AH 29 kDa subunit; PAFAHG; PAFAH subunit gamma; EC 3.1.1.47.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSGEENP ASKPTPVQDV QGDGRWMSLH HRFVADSKDK EPEVVFIGDS LVQLMHQCEI WRELF SPLHA LNFGIGGDGT QHVLWRENG ELEHIRPKIV VVWVGTTNHHG HTAEQVTGGI KAIVQLVNER QPQARVVVLG LLPRGQHPNP LREKNRQVNE LVRAALAGHP RAHFLDADPG FVHSDGTISH HDMYDYLHLS RLGYPVCRA LHSLLLRLLA QDQGQGAPLL EPAP		
Formulation	The PAFAH1B3 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl and 10% glycerol.		

Introduction

Platelet-activating Factor Acetylhydrolase 1b Catalytic Subunit 3 (PAFAH1B3) is a member of the 'GDSL' lipolytic enzyme family. Acetylhydrolase catalyzes the elimination of an acetyl group from the glycerol backbone of platelet-activating factor. PAFAH1B3, which is a subunit of the platelet-activating factor acetylhydrolase isoform 1B complex, is comprised of the catalytic beta and gamma subunits and the regulatory alpha subunit. The PAFAH1B3 complex has an imperative role during the development of brain.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PAFAH1B3 Human Recombinant produced in E. coli is a single polypeptide chain containing 254 amino acids (1-231) and having a molecular mass of 28.2 kDa. PAFAH1B3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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