Recombinant Human ABHD4 Protein



Catalog No.: RP03195 Recombinant

Sequence Information

Species Gene ID **Swiss Prot** Human 63874 O8TB40

Tags

N-His

Synonyms

ABHD4;(Lyso)-Nacylphosphatidylethanolamine lipase; 3.1.1.-; Alpha/beta hydrolase domaincontaining protein 4; Abhydrolase domain-containing protein 4; Alpha/betahydrolase 4

Product Information

Purification Source Baculovirus-Insect Cells

≥ 80% as determined by SDS-PAGE.

Calculated MW Observed MW 40 kDa.

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0.

Reconstitution

Background

Abhydrolase domain containing 4 (ABHD4), also known as alpha/beta-hydrolase 4 (ABH4), or lyso-N-acylphosphatidylethanolamine lipase, which belongs to the ABHD4/ABHD5 subfamily of peptidase S33 family. Abhydrolase domain containing (ABHD) gene was a small group belongs to alpha/beta hydrolase superfamily. Known members of this group are all found to be involved in important biochemical processes and related to various diseases. The alpha/beta-hydrolase 4 (ABH4) is a lysophospholipase/phospholipase B that selectively hydrolyzes N-acyl phosphatidylethanolamines (NAPEs) and lysoNAPEs. ABH4 accepts lysoNAPEs bearing both saturated and polyunsaturated N-acyl chains as substrates and displays a distribution that closely mirrors lysoNAPE-lipase activity in mouse tissues. The existence of an NAPE-PLD-independent route for NAE biosynthesis and suggest that ABH4 plays a role in this metabolic pathway by acting as a (lyso)NAPE-selective lipase.

Basic Information

Description

Recombinant Human ABHD4 Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Asp342) of Human ABHD4 (Accession #NP 071343.2) fused with a His tag at the N-terminus.

Bio-Activity

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

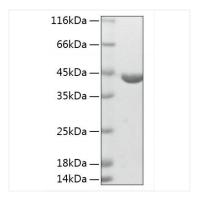
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Contact

a	400-999-6126
\times	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

Validation Data



Recombinant Human ABHD4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.