Recombinant Human ABHD4 Protein

Catalog No.: RP03195

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Sequence Information

Species
Human

Gene ID
63874

Swiss Prot
Q8TB40

Tags
N-His

Synonyms
ABHD4,(Lyso)-N-acylphosphatidylethanolamine lipase, 3.1.1.-, Alpha/beta hydrolase domain-containing protein 4, Abhydrolase domain-containing protein 4, Alpha/beta-hydrolase 4

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 80% as determined by SDS-PAGE.

Calculated MWObserved 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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

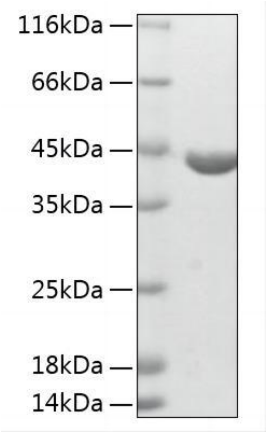
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



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