

Recombinant human ABHD14B protein

Catalog Number: ATGP1394

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-210aa

UniProt No.

Q96IU4

NCBI Accession No.

NP_116139

Alternative Names

Abhydrolase domain containing 14B, CIB

PRODUCT SPECIFICATION

Molecular Weight

25kDa (234aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ABHD14B (abhydrolase domain containing 14B) belongs to the AB hydrolase superfamily. This protein contains an alpha/beta hydrolase fold, which is a catalytic domain found in a very wide range of enzymes. In molecular biology, the alpha/beta hydrolase fold is common to a number of hydrolytic enzymes of widely differing phylogenetic origin and catalytic function. The Ab hydrolase domain containing (ABHD) gene subfamily is comprised of 15 mostly uncharacterized members. ABHD14B has hydrolase activity towards p-nitrophenyl butyrate (in vitro). It may activate transcription. Recombinant human ABHD14B protein, fused to His-tag at N-

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terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSH>MAASVE QREGTIQVQG QALFFREALP GSGQARFSVL LLHGIRFSSE
TWQNLGTLHR LAQAGYRAVA IDLPGLGHSK EAAAPAPIGE LAPGSFLAAV VDALELGPPV VISPSLSGMY SLPFLTAPGS
QLPGFVPVAP ICTDKINAAN YASVKTPALI VYGDQDPMGQ TSFEHLKQLP NHRVLIMKGA GHPCYLDKPE EWHTGLLDFL
QGLQ

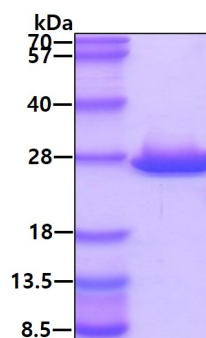
General References

Padmanabhan B., et al. (2004) J. Biol. Chem. 279:9615-9624

Holmquist, M. (2000) Curr. Protein Pept. Sci. 1: 209-235.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.