

# Product information

## ABHD14B, 1-210aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1394

**Full name:** Abhydrolase domain containing 14B

**NCBI Accession No.:** NP\_116139

**Synonyms:** CIB

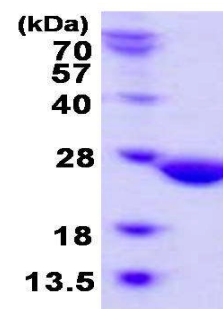
**Description:** ABHD14B (abhydrolase domain containing 14B) belongs to the AB hydrolase superfamily. This protein contains an alpha/beta hydrolase fold, which is a catalytic domain found in a very wide range of enzymes. In molecular biology, the alpha/beta hydrolase fold is common to a number of hydrolytic 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-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

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

**Molecular Weight:** 25.0kDa (234aa), confirmed by MALDI-TOF

**Purity:** > 95% by SDS - PAGE

**Concentration:** 0.5mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMAASVE QREGTIQVQG QALFFREALP GSGQARFSVL LLHGIRFSSE TWQNLGTLHR LAQAGYRAVA  
 IDLPGLGHSK EAAAPAPIGE LAPGSFLAAV VDALELGPPV VISPSLSGMY SLPFLTAPGS QLPGFVPVAP ICTDKINAAN YASVKTPALI  
 VYGDQDPMGQ TSFEHLKQLP NHRVLIIMKGA GHPCYLDKPE EWHTGLLDLFL QGLQ

### General references:

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

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

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**