

ABHD14B Protein, Human, Recombinant (His)

General Information

Synonyms:	CIB;abhydrolase domain containing 14B;HEL-S-299
Protein Construction:	A DNA sequence encoding the mature form of human ABHD14B (Q96IU4-1) (Met1-Gln210) was expressed with a polyhistide tag at the N-terminus. Predicted N terminal: His
Species:	Human
Expression Host:	E. coli
Accession:	Q96IU4-1
Molecular Weight:	24.2 kDa (predicted); 24 kDa (reducing conditions)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 96 % as determined by SDS-PAGE
Endotoxin:	Please contact us for more information.
Formulation:	Supplied as sterile PBS, 20% glycerol, 50 mM Arg, 0.1% Tween20, pH 7.4.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store the product under sterile conditions at -20°C to -80°C. Samples are stable for up to 12 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

ABHD14B belongs to the AB hydrolase superfamily, ABHD14 family. It can be detected in spleen, thymus, prostate, testis, ovary, small intestine, colon, peripheral blood leukocyte, heart, placenta, lung, liver, skeletal muscle, pancreas and kidney. ABHD14B has hydrolase activity towards p-nitrophenyl butyrate (in vitro) and may interact with TAF1. 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. ABHD14B 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 gene subfamily is comprised of 15

mostly uncharacterized members.

Reference

Mehrle A, et al. (2006) The LIFEdb database in 2006. Nucleic Acids Res. 34:D415-8.

Wan D, et al. (2004) Large-scale cDNA transfection screening for genes related to cancer development and progression. Proc Natl Acad Sci. 101(44):15724-9.

Wiemann S, et al. (2004) From ORFeome to biology: a functional genomics pipeline. Genome Res. 14 (10B):2136-44.

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