



Recombinant Human 1-acylglycerol-3-phosphate O-acyltransferase ABHD5 (ABHD5)

Product Code	CSB-BP819884HU
Abbreviation	ABHD5
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8WTS1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	AAEEEEVDS ADTGERSGWL TGWLPTWCPT SISHLKEAEE KMLKCVPCY KKEPVRISNG NKIWTLKFSH NISNKTPLVL LHGFGGGLGL WALNFGDLCT NRPVYAFDLL GFGRSSRPRF DSDAEEVENQ FVESIEEWRC ALGLDKMILL GHNLGGFLAA AYSLKYPSRV NHLILVEPWG FPERPDLADQ DRPIPWWIRA LGAALTPFNP LAGLRIAGPF GLSLVQRLRP DFKRKYSSMF EDDTVTEYIY HCNVQTPSGE TAFKNMTIPY GWAKRPMLQR IGKMHPDIPV SVIFGARSCI DGNSGTSIQS LRPHSYVKTI AILGAGHYVY ADQPEEFNQK VKEICDVTVD
Source	Baculovirus
Target Names	ABHD5
Protein Names	Recommended name: 1-acylglycerol-3-phosphate O-acyltransferase ABHD5 EC= 2.3.1.51 Alternative name(s): Abhydrolase domain-containing protein 5 Lipid droplet-binding protein CGI-58
Expression Region	2-349
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein belongs to a large family of proteins defined by an alpha/beta hydrolase fold, and contains three sequence motifs that correspond to a catalytic triad found in the esterase/lipase/thioesterase subfamily. It differs from other members of this subfamily in that its putative catalytic triad contains an asparagine instead of the serine residue. Mutations in this gene have been associated with Chanarin-Dorfman syndrome, a triglyceride storage disease with impaired long-chain fatty acid oxidation.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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