

Recombinant Full Length Human ABHD5 Protein, C-Flag-tagged

Cat. No. ABHD5-580HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ABHD5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene 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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	38.9 kDa
AA Sequence	MAAEEEEVDSADTGERSGWLTGWLPTWCPTSISHLKEAEEKMLKCVPCTYKKEPV RISNGNKIWTLKFSH NISNKTPLVLLHGFGGGLGLWALNFGDLCTNRPVYAFDLLGF GRSSRPRFDSDAEEVENQFVESIEEWRC ALGLDKMILLGHNLGGFLAAAYSLKYPS RVNHLILVEPWGFPERPDADQDRPIPVWIRALGAALTPFNP LAGLRIAGPFGLSLV QRLRPDFKRKYSSMFEDDTVTEYIYHCNVQTPSGETAFAKNMTIPYGWAKRPMLQR I

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	GKMHPDIPVSVIFGARSCIDGNSGTSIQSLRPHSYVKTAILGAGHYVYADQPEEFNQ KVKEICDVTDRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Protease
Full Length	Full L.

GENE INFORMATION

Gene Name	ABHD5 abhydrolase domain containing 5, lysophosphatidic acid acyltransferase [Homo sapiens (human)]
Official Symbol	ABHD5
Synonyms	CGI58; IECN2; NCIE2
Gene ID	51099
mRNA Refseq	NM_016006.6

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Protein Refseq NP_057090.2

MIM 604780

UniProt ID Q8WTS1



Coomassie blue staining of purified ABHD5 protein.

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