

## Product datasheet for **TP301869**

### ABHD5 (NM\_016006) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human abhydrolase domain containing 5 (ABHD5), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201869 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAAEEEEVDSADTGERSGWLTGWLPTWCPTSISHLKEAEEKMLKCVPTKYKKEPVRISNGNKIWTLKFSH  
NISNKTPLVLLHGFGGGLGLWALNFGDLCTNRPVYAFDLLGFGRSSRPRFSDAEAEVENQFVESIEEWRC  
ALGLDKMILLGHNLGGFLAAAYSLKYPSRVNHLILVEPWGFPERPDADQDRPIPWWIRALGAALTPFNP  
LAGLRIAGPFGLSLVQRLRPDFKRKYSSMFEDDTVTEYIYHCNVQTPSGETAFKNMTPYGWAKRPMLQR  
IGKMHPDIPVSVIFGARSCIDGNSGTSIQSLRPHSYVKTIAILGAGHYVYADQPEEFNQKVKEICD TVD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	38.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_057090</a></u>
Locus ID:	51099



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UniProt ID: [Q8WTS1](#), [A0A0S2Z5D6](#)  
RefSeq Size: 5370  
Cytogenetics: 3p21.33  
RefSeq ORF: 1047  
Synonyms: CGI58; IECN2; NCIE2

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Protease

### Product images:



Coomassie blue staining of purified ABHD5 protein (Cat# TP301869). The protein was produced from HEK293T cells transfected with ABHD5 cDNA clone (Cat# [RC201869]) using MegaTran 2.0 (Cat# [TT210002]).