antibodies

## Datasheet for ABIN3135021 HECTD3 Protein (AA 2-861) (His tag)



Overview

Quantity:	1 mg
Target:	HECTD3
Protein Characteristics:	AA 2-861
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HECTD3 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

## Product Details

Sequence:	AGPGPGAALE SPRQLLGRVR FLAEAARSLR AGLPLPAALA FVPREVLYKL YKDPAGPSRV
	LLPVWEAEGL GLRVGAVGAA PGTGSGPLRA ARDSIELRRG ACVRTTGEEL CNGHGLWVKL
	TKEQLAEHLS DCSLDEGWLL VCRPAEGGAR LVPIDTPDHL QRQQQLFGVD YRPVLRWEQV
	VDLTYSHRLG SRPQPAEAYT EAIQRLLYVP PTWTYECDED LIHFLYDHLG KEDENLGSVK
	QYVESIDVSS YTEEFNVSCL TDSNADTYWE SDGSQCQHWV RLTMKKGTIV KKLLLTVDTT
	DDNFMPKRVV VYGGEGDNLK KLSDVNIDET LIGDVCVLED MTVHLPIIEI RIVECRDDGI
	DVRLRGVKIK SSRQRELGLN ADLFQPASLV RYPRLEGTDP EVLYRRAVLL QRFIKILDSV
	LHHLVPAWDH TLGTFSEIKQ VKQFLLLSRQ RPSLVAQCLR DSESSKPSFM PRLYINRRLA
	MEHRACPSRD PACKNAVFTQ VYEGLKPSDK YEKPLDYRWP MRYDQWWECK FIAEGIIDQG
	GGFRDSLADM SEELCPSSAD TPVPLPFFVR TANQGNGTGE ARDMYVPNPS CRDFAKYEWI
	GQLMGAALRG KEFLVLALPG FVWKQLSGEE VSWSKDFPAV DSVLVKLLEV MEGVDKETFE
	FKFGKELTFT TVLSDQQVVE LIPGGTGIVV EYEDRSRFIQ LVRKARLEES KEQVAAMQAG

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	LLKVVPQAVL DLLTWQELEK KVCGDPEVTV DALRKLTRFE DFEPSDTRVQ YFWEALNNFT
	NEDRSRFLRF VTGRSRLPAR IYIYPDKLGY ETTDALPESS TCSSTLFLPH YASAKVCEEK LRYAAYNCVA IDTDMSPWEE
	Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a
	special request, please contact us.
Characteristics:	<ul> <li>Made in Germany - from design to production - by highly experienced protein experts.</li> <li>Mouse Hectd3 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.</li> <li>State-of-the-art algorithm used for plasmid design (Gene synthesis).</li> </ul>
	This protein is a made to order protein and will be made for the first time for your order. Our
	experts in the lab will ensure that you receive a correctly folded protein.
	The big advantage of ordering our made-to-order proteins in comparison to ordering custom
	made proteins from other companies is that there is no financial obligation in case the protein
	cannot be expressed or purified.
	In the unlikely event that the protein cannot be expressed or purified we do not charge anything
	(other companies might charge you for any performed steps in the expression process for
	custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression
	experiments or purification optimization).
	When you order this made-to-order protein you will only pay upon receival of the correctly
	folded protein. With no financial risk on your end you can rest assured that our experienced
	protein experts will do everything to make sure that you receive the protein you ordered.
	The concentration of our recombinant proteins is measured using the absorbance at 280nm.
	The protein's absorbance will be measured in several dilutions and is measured against its
	specific reference buffer.
	The concentration of the protein is calculated using its specific absorption coefficient. We use
	the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells:
	<ol> <li>In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.</li> </ol>
	2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered

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Product Details	
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

## Target Details

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Target:	HECTD3
Alternative Name:	Hectd3 (HECTD3 Products)
Background:	E3 ubiquitin ligases accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Mediates ubiquitination of TRIOBP and its subsequent proteasomal degradation, thus faciliting cell cycle progression by regulating the turn-over of TRIOBP (By imilarity). Mediates also ubiquitination of STX8. {ECO:0000269 PubMed:18821010}.
Molecular Weight:	98.2 kDa Including tag.
UniProt:	Q3U487
Application Details	
Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a gurantee though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.

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Unlimited (if stored properly)

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