

Datasheet for ABIN7551087
PTCD1 Protein (AA 1-700) (His tag)



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Overview

Quantity:	1 mg
Target:	PTCD1
Protein Characteristics:	AA 1-700
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTCD1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PTCD1 Protein expressed in mammalian cells.
Sequence:	<p>MDFVRLARLF ARARPMGLFI LQHLDPCRAR WAGGREGLMR PMWAPFSSSS SQLPLGQERQ</p> <p>ENTGSLGSDP SHSNSTATQE EDEEEEEESFG TLSDKYSSRR LFRKSAAQFH NLRFGERRDE</p> <p>QMEPEPKLWR GRRNTPYWYF LQCKHLIKEG KLVEALDLFE RQMLKEERLQ PMESNYTVLI</p> <p>GGCGRVGYLK KAFNLYNQMK KRDLEPSDAT YTALFNVCAE SPWKDSALQS ALKLRQQLQA</p> <p>KNFELNLKTY HALLKMAAKC ADLRMCLDVF KEIIHKGHVV TEETFSFLLM GCIQDKKTGF</p> <p>RYALQVWRLM LSLGLQPSRD SYNLLLVAAR DCGLGDPQVA SELLLKPREE ATVLQPPVSR</p> <p>QRPRRTAQAK AGNLMsAMLH VEALERQLFL EPSQALGPPE PPEARVPGKA QPEVDTKAEP</p> <p>SHTAALTAVA LKPPPVELEV NLLTPGAVPP TVVSFGTVTT PADRLALIGG LEGFLSKMAE</p> <p>HRQQPDIRTL TLLAEVVESG SPAESLLLAL LDEHQVEADL TFFNTLVRRK SKLGDLEGAK</p> <p>ALLPVLAARG LVPNLQTFCN LAIGCHRPKD GLQLLTDMKK SQVTPNTHIY SALINAAIRK</p> <p>LNITYLISIL KDMKQNRVPV NEVIRQLEF AAQYPPTFDR YQGKNTYLEK IDGFRAYYKQ</p>

WLTVMPAEET PHPWQKFRTK PQGDQDTGKE ADDGCALGGR **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	PTCD1
Alternative Name:	PTCD1 (PTCD1 Products)
Background:	Pentatricopeptide repeat-containing protein 1, mitochondrial,FUNCTION: Mitochondrial protein implicated in negative regulation of leucine tRNA levels, as well as negative regulation of mitochondria-encoded proteins and COX activity. Affects also the 3'-processing of mitochondrial tRNAs. {ECO:0000269 PubMed:21857155}.
Molecular Weight:	78.9 kDa
UniProt:	O75127

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 guarantee though.

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months