

Datasheet for ABIN3093603

LRPPRC Protein (AA 60-1394) (His tag)



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Overview

Quantity:	1 mg
Target:	LRPPRC
Protein Characteristics:	AA 60-1394
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LRPPRC protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence:	<p>AIAAKEKDIQ EESTFSSRKI SNQFDWALMR LDLSVRRTGR IPKKLLQKVF NDTCRSGGLG</p> <p>GSHALLLLRS CGSLLPELKL EERTEFAHRI WDTLQKLGAV YDVSHYNALL KVYLQNEYKF</p> <p>SPTDFLAKME EANIQPNRVT YQRLIASYCN VGDIEGASKI LGFMKTKDLP VTEAVFSALV</p> <p>TGHARAGDME NAENILTVMR DAGIEPGPDT YLALLNAYAE KGDIDHVKQT LEKVEKSELH</p> <p>LMDRDLLQII FSFSKAGYPQ YVSEILEKVT CERRYIPDAM NLILLLVTEK LEDVALQILL</p> <p>ACPVSKEDGP SVFGSFFLQH CVTMNTPVEK LTDYCKKLKE VQMHSFPLQF TLHCALLANK</p> <p>TDLAKALMKA VKEEGFPIRP HYFWPLLVGR RKEKNVQGII EILKGMQELG VHPDQETYTD</p> <p>YVIPCFDSVN SARAILQENG CLSDSDMFSQ AGLRSEAANG NLDFVLSFLK SNTLPISLQS</p> <p>IRSSLLLGFRR SMNINLWSE ITELLYKDGR YCQEPRGPTE AVGYFLYNLI DSMSDSEVQA</p> <p>KEEHLRQYFH QLEKMNVKIP ENIYRGIRNL LESYHVPELI KDAHLLVESK NLDFQKTVQL</p> <p>TSSELESTLE TLKAENQPIR DVLKQLILVL CSEENMQKAL ELKAKYESDM VTGGYAALIN</p> <p>LCCRHDKVED ALNLKEEFDR LDSSAVLDTG KYVGLVRVLA KHGKLQDAIN ILKEMKEKDV</p>
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LIKDTTALSF FHMLNGAALR GEIETVKQLH EAVTLGLAE PSTNISFPLV TVHLEKGDLS
TALEVAIDCY EKYKVLPRIH DVLCKLVEKG ETDLIQKAMD FVSQEQGEMV MLYDLFFAFL
QTGNYPEAKK IETPGIRAR SARLQWFCDR CVANNQVETL EKLVELTQKL FECDRDQMY
NLLKLYKING DWQRADAVWN KIQEENVIPR EKTLRLAEI LREGNQEVPPF DVPELWYEDE
KHSLNSSSAS TTEPDFQKDI LIACRLNQKK GAYDIFLNAK EQNIVFNAET YSNLIKLLMS
EDYFTQAMEV KAFETHIKG FTLNDAANSR LIITQVRRDY LKEAVTTLKT VLDQQQTPSR
LAVTRVIQAL AMKGDVENIE VVQKMLNGLE DSIGLSKMVF INNIALAQIK NNNIDAAIEN
IENMLTSENK VIEPQYFGLA YLFRKVIEEQ LEPAVEKISI MAERLANQFA IYKPVTDFFL
QLVDAGKVDD ARALLQRCGA IAEQTPILL FLLRNSRKQG KASTVKSYLE LIPELNEKEE
AYNSLMKSYV SEKDVTSKA LYEHLTAKNT KLDDLFLKRY ASLLKYAGEP VPFIPEPESF
EFYAQQLRKL RENSS

Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.

Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Human LRPPRC Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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 receipt 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:

Product Details

1. 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.
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
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	LRPPRC
Alternative Name:	LRPPRC (LRPPRC Products)
Background:	<p>May play a role in RNA metabolism in both nuclei and mitochondria. In the nucleus binds to HNRPA1-associated poly(A) mRNAs and is part of nmRNP complexes at late stages of mRNA maturation which are possibly associated with nuclear mRNA export. May bind mature mRNA in the nucleus outer membrane. In mitochondria binds to poly(A) mRNA. Plays a role in translation or stability of mitochondrially encoded cytochrome c oxidase (COX) subunits. May be involved in transcription regulation. Cooperates with PPARGC1A to regulate certain mitochondrially encoded genes and gluconeogenic genes and may regulate docking of PPARGC1A to transcription factors. Seems to be involved in the transcription regulation of the multidrug-related genes MDR1 and MVP. Part of a nuclear factor that binds to the invMED1 element of MDR1 and MVP gene promoters. Binds single-stranded DNA (By similarity).</p> <p>{ECO:0000250, ECO:0000269 PubMed:11585913, ECO:0000269 PubMed:12832482, ECO:0000269 PubMed:15081402, ECO:0000269 PubMed:15139850, ECO:0000269 PubMed:15272088, ECO:0000269 PubMed:17050673}.</p>
Molecular Weight:	152.8 kDa Including tag.
UniProt:	P42704

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
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Application Details

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Comment:	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.
Expiry Date:	Unlimited (if stored properly)