

Datasheet for ABIN3135730

## PPRC1 Protein (AA 1-1644) (His tag)



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### 1 Image

#### Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 1 mg   |
| Target:                       | PPRC1  |
| Protein Characteristics:      | AA 1-1644  |
| Origin:                       | Mouse  |
| Source:                       | Insect Cells   |
| Protein Type:                 | Recombinant  |
| Purification tag / Conjugate: | This PPRC1 protein is labelled with His tag.                         |
| Application:                  | ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS) |

#### Product Details

Sequence: MAARRRRDR VAPPPTGGPG PDPGGGVRGG SWASRSQAPY GTGGSVSAAE QVHEEGNDSS  
 FVLSRLGPS LREKDLEMEE LILQDETLLE TMQSYMDASL ISLIEDFGES RLSLEDQNE  
 SLLTALTEIL DNADSENLSF FDTIPDSELL VSPRESSSLH KLLNLSRTPP ERDLITPIDP  
 LGPSTGSSRV SGVEVPLADS PWDFSPPPFL ETSSPKLPSW RPSRPRPRWG QSPPPQQRSD  
 GEEEEVAGF SGQMLAGKLD NSVNNVLDFF MHLACPEEEG TAEGADAPAS APGDESISL  
 SELVRAMHPY CLPNLTHLAS LEGELEGQAD ADADELTLPE GCVVLEIVGQ AATTGDDLEI  
 PVVVRQIPSG SQSVLLDESL GSSPALQLLM PTMESETEAA VPEVAPCPDE ELPSSACLL  
 EPREIMESLT PKEPQSLPAS ASQGSQKVPR KGRKKKNKEQ PTACVEACTR RLRSSSRGQS  
 TVSAEVNSQA GSSQKQPQEE LQREAAALQS RGKPRAWARA WAAALEKTGS ENLERSAGQD  
 SPAEEDALDL CPKLLETSQA NPTLSLNSA QADSMVDSV EGDSPAVGNA APGDQASSGT  
 ELVGSPLVGP NLTSPVLADK KGIEPAVAIP TSDNLSPADV LANTVAADPV PNDPAPADPV  
 LVKCRPTDPR RAAAAAAAAA QGSRPSLQSA DHPKVVSPG KDVVGPLKVE GSTSATTQEA

KPRPLSLSEY RQRRQQRQTE AEDRNSQPPV VGKWPSLPET PTELADIPCL VPSAPARKTA  
PQRSPIAVPE TVSVGSNPVS PTPEPSASKL MVSTHSEQVS SHEMPLAVRP PPPPLPSVSP  
AGPIPSTVPA PLPPFPPSVP PLLPLPSGGH GVPRLPPPPL QPPGLPVSMR QMPPDPYTQY  
APVPPWSCYP SVSPPGYSCS PPPPTMPIVS GTPGTYAVPP TCNVPWVPPP APVSPYSSSS  
AYGSLGWGPG LQQPPFWSTV SPPPLSSVPT GRAVPPTPVE PSGDPAGPPE DVLPGPVTPS  
LSSGPASPAA PPVEPTKPEA QPVPVSPQPK HKVSTLVQSP QIKAPPTLST EGVVFEESVS  
ERLKSETQEN RPKEKPISTA IKSVPVPKQS AVAKLPAVHP ARLRKLSTFLP TPRAQGPEDV  
VQAFISEIGI EASDLSSLE QFEKSEAKKE CPLPASADSL AVGNNGIDIP QEKKPLDRLQ  
APELANVAGL TPPATPPHQL WKPLAAVSL AKAKSPKSTA QEGTLKPEGI TEAKPPATAC  
LQEGAHSPSP VHVGS GDHDY CVRSRTPPKR MPALVISEVG SRWNVKRHQD ITIKPVLSTG  
SAAPPLPCTA TSQEPLDHRT SVEQADPSAP CFAPSTLLSP EASPCRSEMN ARTPPEPSDK  
QQSMRCYRKA CRSVSPSSRG WQRRRGRSSR SVSSGSSRTS EASSSSSVSS SSRSRRSRRS  
RSFSPNKRW RRSSCSSSGR SRRCSSSSSS SSSSSSCSSR SRSPSVSPCR RSDRRRRYSS  
YRANDHYQRQ RVLQKERAIE ERRVFIGKI PGRMTRSELK QRFSVFGEIE ECTIHFRVQG  
DNYGFVITYRY AEEFAAIES GHKLRQADEQ PFDLCFGGRR QFCKRSYSDL DSNREDFDPA  
PVKSKFDSL DFTLLKQAQK NLRR

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

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### Characteristics:

- Made in Germany - from design to production - by highly experienced protein experts.
- Mouse Pprc1 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.

## Product Details

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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 Exspasy's protparam tool to determine the absorption coefficient of each protein.

|                  |  |
|------------------|--|
| Purification:    | Two step purification of proteins expressed in baculovirus infected SF9 insect cells:<br><ol style="list-style-type: none"><li>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.</li><li>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.</li></ol> |
| 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

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|                   |  |
|-------------------|--|
| Target:           | PPRC1  |
| Alternative Name: | Pprc1 ( <a href="#">PPRC1 Products</a> )   |
| Background:       | Acts as a coactivator during transcriptional activation of nuclear genes related to mitochondrial biogenesis and cell growth. Involved in the transcription coactivation of CREB and NRF1 target genes (By similarity). {ECO:0000250}. |
| Molecular Weight: | 176.0 kDa Including tag.   |
| UniProt:          | <a href="#">Q6NZN1</a>   |

## Application Details

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|                    |   |
|--------------------|---|
| 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.  |
| 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 |

## Application Details

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options with you in detail to assure that you receive your protein of interest.

Restrictions: For Research Use only

## Handling

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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)

## Images

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**Image 1.** „Crystallography Grade“ protein due to multi-step, protein-specific purification process