

Datasheet for ABIN7550624

PCIF1 Protein (AA 1-704) (His tag)



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Overview

Quantity:	1 mg
Target:	PCIF1
Protein Characteristics:	AA 1-704
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCIF1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PCIF1 Protein expressed in mammalian cells.
Sequence:	<p>MANENHGSPR EEASLLSHSP GTSNQSQPCS PKPIRLVQDL PEELVHAGWE KCWSRRENRP</p> <p>YYFNRFTNQS LWEMPVLGQH DVISDPLGLN ATPLPQDSSL VETPPAENKP RKRQLSEEQP</p> <p>SGNGVKKPKI EIPVTPTGQS VPSSPSIPGT PTLKMWGTSP EDKQQAALLR PTEVYWDLDI</p> <p>QTNVAVIKHRG PSEVLPPHPE VELLRSQIL KLRQHYRELC QQREGIEPPR ESFNRWMLER</p> <p>KVVDKGSDDL LPSNCEPVVS PSMFREIMND IPIRLSRIKF REEAKRLLFK YAEAARRLIE</p> <p>SRSASPDNRK VVKWNVEDTF SWLRKDHSAS KEDYMDRLEH LRRQCGPHVS AAKDSVEGI</p> <p>CSKIYHISLE YVKRIREKHL AILKENNISE EVEAPEVEPR LVYCYPVRLA VSAPPMPSVE</p> <p>MHMENNVVCI RYKGEMVKVS RNYFSKLWLL YRYSCIDDSA FERFLPRVWC LLRRYQMMFG</p> <p>VGLYEGTGLQ GSLPVHVFEA LHRLFGVSFE CFASPLNCYF RQYCSAFPDT DGYFGSRGPC</p> <p>LDFAPLSGSF EANPPFCEEL MDAMVSHFER LLESSPEPLS FIVFIPEWRE PPTPALTRME</p> <p>QSRFKRHQLI LPAFEHEYRS GSQHICKKEE MHYKAVHNTA VLFLQNDPGF AKWAPTPERL</p>

QELSAAYRQS GRSHSSGSSS SSSSEAKDRD SGREQGPSRE PHPT **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:

Key Benefits:

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

PCIF1

Alternative Name:

PCIF1 ([PCIF1 Products](#))

Background:

MRNA (2'-O-methyladenosine-N(6)-methyltransferase (EC 2.1.1.62) (Cap-specific adenosine methyltransferase) (CAPAM) (hCAPAM) (Phosphorylated CTD-interacting factor 1) (hPCIF1) (Protein phosphatase 1 regulatory subunit 121),FUNCTION: Cap-specific adenosine methyltransferase that catalyzes formation of N(6),2'-O-dimethyladenosine cap (m6A(m)) by methylating the adenosine at the second transcribed position of capped mRNAs (PubMed:30467178, PubMed:30487554, PubMed:31279658, PubMed:31279659, PubMed:33428944). Recruited to the early elongation complex of RNA polymerase II (RNAPII) via interaction with POLR2A and mediates formation of m6A(m) co-transcriptionally (PubMed:30467178). {ECO:0000269|PubMed:30467178, ECO:0000269|PubMed:30487554,

Target Details

	ECO:0000269 PubMed:31279658, ECO:0000269 PubMed:31279659, ECO:0000269 PubMed:33428944}.
Molecular Weight:	80.7 kDa
UniProt:	Q9H4Z3

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