Datasheet for ABIN3095090

RPAP1 Protein (AA 1-1393) (His tag)

1 Image

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Overview

Quantity:	1 mg
Target:	RPAP1
Protein Characteristics:	AA 1-1393
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPAP1 protein is labelled with His tag.
Application:	Crystallization (Crys), ELISA, SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Sequence:	MLSRPKPGES EVDLLHFQSQ FLAAGAAPAV QLVKKGNRGG GDANSDRPPL QDHRDVVMLD NLPDLPPALV PSPPKRARPS PGHCLPEDED PEERLRRHDQ HITAVLTKII ERDTSSVAVN LPVPSGVAFP AVFLRSRDTQ GKSATSGKRS IFAQEIAARR IAEAKGPSVG EVVPNVGPPE GAVTCETPTP RNQGCQLPGS SHSFQGPNLV TGKGLRDQEA EQEAQTIHEE NIARLQAMAP EEILQEQQRL LAQLDPSLVA FLRSHSHTQE QTGETASEEQ RPGGPSANVT KEEPLMSAFA SEPRKRDKLE PEAPALALPV TPQKEWLHMD TVELEKLHWT QDLPPVRRQQ TQERMQARFS LQGELLAPDV DLPTHLGLHH HGEEAERAGY SLQELFHLTR SQVSQQRALA LHVLAQVISR AQAGEFGDRL AGSVLSLLLD AGFLFLLRFS LDDRVDGVIA TAIRALRALL VAPGDEELLD STFSWYHGAL TFPLMPSQED KEDEDEDEEC PAGKAKRKSP EEESRPPPDL ARHDVIKGLL ATSLLPRLRY VLEVTYPGPA VVLDILAVLI RLARHSLESA TRVLECPRLI ETIVREFLPT SWSPVGAGPT PSLYKVPCAT AMKLLRVLAS AGRNIAARLL SSFDLRSRLC RIIAEAPQEL ALPPEEAEML STEALRLWAV AASYGQGGYL YRELYPVLMR ALQVVPRELS THPPQPLSMQ

RIASLLTLLT QLTLAAGSTP AETISDSAEA SLSATPSLVT WTQVSGLQPL VEPCLRQTLK LLSRPEMWRA VGPVPVACLL FLGAYYQAWS QQPSSCPEDW LQDMQRLSEE LLLPLLSQPT LGSLWDSLRH CSLLCNPLSC VPALEAPPSL VSLGCSGGCP RLSLAGSASP FPFLTALLSL LNTLAQIHKG LCGQLAAILA APGLQNYFLQ CVAPGAAPHL TPFSAWALRH EYHLQYLALA LAQKAAALQP LPATHAALYH GMALALLSRL LPGSEYLTHE LLLSCVFRLE FLPERTSGGP EAADFSDQLS LGSSRVPRCG QGTLLAQACQ DLPSIRNCYL THCSPARASL LASQALHRGE LQRVPTLLLP MPTEPLLPTD WPFLPLIRLY HRASDTPSGL SPTDTMGTAM RVLQWVLVLE SWRPQALWAV PPAARLARLM CVFLVDSELF RESPVQHLVA ALLAQLCQPQ VLPNLNLDCR LPGLTSFPDL YANFLDHFEA VSFGDHLFGA LVLLPLQRRF SVTLRLALFG EHVGALRALS LPLTQLPVSL ECYTVPPEDN LALLQLYFRT LVTGALRPRW CPVLYAVAVA HVNSFIFSQD PQSSDEVKAA RRSMLQKTWL LADEGLRQHL LHYKLPNSTL PEGFELYSQL PPLRQHYLQR LTSTVLQNGV SET

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 RPAP1 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 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.

Product Details

Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: 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:	RPAP1
Alternative Name:	RPAP1 (RPAP1 Products)
Background:	Forms an interface between the RNA polymerase II enzyme and chaperone/scaffolding protein, suggesting that it is required to connect RNA polymerase II to regulators of protein complex formation. Required for interaction of the RNA polymerase II complex with acetylated histone H3. {ECO:0000269|PubMed:17643375}.
Molecular Weight:	153.7 kDa Including tag.
UniProt:	Q9BWH6

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:	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)

Images

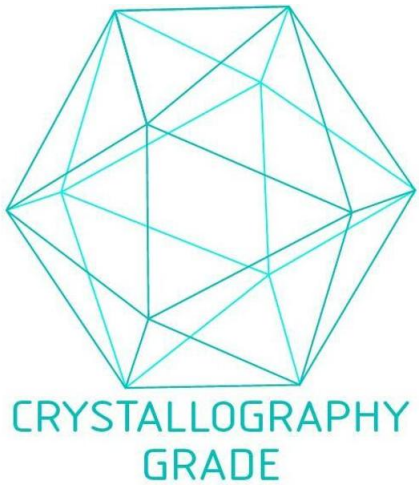

Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process