Datasheet for ABIN7564558

POLR2B Protein (AA 1-1174) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	POLR2B
Protein Characteristics:	AA 1-1174
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLR2B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Polr2b Protein expressed in mammalian cells.
Sequence:	MYDADEDMQY DEDDDEITPD LWQEACWIVI SSYFDEKGLV RQQLDSFDEF IQMSVQRIVE DAPPIDLQAE AQHASGEVEE PPRYLLKFEQ IYLSKPTHWE RDGAPSPMMP NEARLRNLTY SAPLYVDITK TVIKEGEEQL QTQHQKTFIG KIPIMLRSTY CLLNGLTDRD LCELNECPLD PGGYFIINGS EKVLIAQEKM ATNTVYVFAK KDSKYAYTGE CRSCLENSSR PTSTIWVSML ARGGQGAKKS AIGQRIVATL PYIKQEVPII IVFRALGFVS DRDILEHIIY DFEDPEMMEM VKPSLDEAFV IQEQNVALNF IGSRGAKPGV TKEKRIKYAK EVLQKEMLPH VGVSDFCETK KAYFLGYMVH RLLLAALGRR ELDDRDHYGN KRLDLAGPLL AFLFRGMFKN LLKEVRIYAQ KFIDRGKDFN LELAIKTRII SDGLKYSLAT GNWGDQKKAH QARAGVSQVL NRLTFASTLS HLRRLNSPIG RDGKLAKPRQ LHNTLWGMVC PAETPEGHAV GLVKNLALMA YISVGSQPSP ILEFLEEWSM ENLEEISPAA IADATKIFVN GCWVGIHKDP EQLMNTLRKL RRQMDIIVSE VSMIRDIRER EIRIYTDAGR ICRPLLIVEK QKLLLKKRHI DQLKEREYNN YSWQDLVASG VVEYIDTLEE ETVMLAMTPD DLQEKEVAYC STYTHCEIHP SMILGVCASI IPFPDHNQSP

Product Details

	RNTYQSAMGK QAMGVYITNF HVRMDTLAHV LYYPQKPLVT TRSMEYLRFR ELPAGINSIV AIASYTGYNQ EDSVIMNRSA VDRGFFRSVF YRSYKEQESK KGFDQEEVFE KPTRETCQGM RHAIYEKLDD DGLIAPGVRV SGDDVIIGKT VTLPENEDEL ESTNRRYTKR DCSTFLRTSE TGIVDQVMVT LNQEGYKFCK IRVRSVRIPQ IGDKFASRHG QKGTCGIQYR QEDMPFTCEG ITPDIIINPH AIPSRMTIGH LIECLQGKVS ANKGEIGDAT PFNDAVNVQK ISNLLSDYGY HLRGNEVLYN GFTGRKITSQ IFIGPTYYQR LKHMVDDKIH SRARGPIQIL NRQPMEGRSR DGGLRFGEME RDCQIAHGAA QFLRERLFEA SDPYQVHVCN LCGIMAIANT RTHTYECRGC RNKTQISLVR MPYACKLLFQ ELMSMSIAPR MMSV **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.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	POLR2B
Alternative Name:	Polr2b (POLR2B Products)

Target Details

Background:	DNA-directed RNA polymerase II subunit RPB2 (EC 2.7.7.6) (DNA-directed RNA polymerase II 140 kDa polypeptide) (DNA-directed RNA polymerase II subunit B) (RNA polymerase II subunit 2) (RNA polymerase II subunit B2),FUNCTION: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Second largest component of RNA polymerase II which synthesizes mRNA precursors and many functional non-coding RNAs. Proposed to contribute to the polymerase catalytic activity and forms the polymerase active center together with the largest subunit. Pol II is the central component of the basal RNA polymerase II transcription machinery. It is composed of mobile elements that move relative to each other. RPB2 is part of the core element with the central large cleft, the clamp element that moves to open and close the cleft and the jaws that are thought to grab the incoming DNA template (By similarity). {ECO:0000250}.
Molecular Weight:	133.9 kDa
UniProt:	Q8CFI7
Pathways:	Regulatory RNA Pathways, DNA Damage Repair

Application Details

Application Notes:	We expect the protein to work for functional studies. 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