

Datasheet for ABIN7551544
POLR3H Protein (AA 1-204) (His tag)



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Overview

Quantity:	1 mg
Target:	POLR3H
Protein Characteristics:	AA 1-204
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLR3H protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant POLR3H Protein expressed in mammalian cells.
Sequence:	MFVLVEMVDT VRIPPWQFER KLNDSIAEEL NKKLANKVVY NVGLCICLFD ITKLEDAYVF PGDGASHTKV HFRVCVVFHPF LDEILIGKIK GCSPEGVHVS LGFFDDILIP PESLQQPAKF DEAEQVWWWE YETEEGAHDL YMDTGEEIRF RVVDESFVDT SPTGPSSADA TTSSEELPKK EAPYTLVGS ISEPLGLLSW WTSN 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: <ul style="list-style-type: none">• 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

Product Details

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)
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Grade:	custom-made
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Target Details

Target:	POLR3H
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Alternative Name:	POLR3H (POLR3H Products)
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Background:	DNA-directed RNA polymerase III subunit RPC8 (RNA polymerase III subunit C8) (DNA-directed RNA polymerase III subunit H) (RNA polymerase III subunit 22.9 kDa subunit) (RPC22.9),FUNCTION: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates (PubMed:20413673, PubMed:34675218, PubMed:33558764). Specific peripheric component of RNA polymerase III (Pol III) which synthesizes small non-coding RNAs including 5S rRNA, snRNAs, tRNAs and miRNAs from at least 500 distinct genomic loci. With CRCP/RPC9 forms a mobile stalk that protrudes from Pol III core and functions primarily in transcription initiation (PubMed:34675218, PubMed:33558764) (By similarity). Pol III plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts, such as Epstein-Barr virus-encoded RNAs (EBERs) induce type I interferon and NF-kappa-B through the RIG-I pathway (PubMed:19609254, PubMed:19631370). {ECO:0000250, ECO:0000250 UniProtKB:O94285, ECO:0000269 PubMed:19609254, ECO:0000269 PubMed:19631370, ECO:0000269 PubMed:20413673, ECO:0000269 PubMed:33558764, ECO:0000269 PubMed:34675218}.
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Target Details

Molecular Weight: 22.9 kDa

UniProt: [Q9Y535](#)

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