

Datasheet for ABIN7558346
POLR2E Protein (AA 1-210) (His tag)



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Overview

Quantity:	1 mg
Target:	POLR2E
Protein Characteristics:	AA 1-210
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLR2E protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Polr2e Protein expressed in mammalian cells.
Sequence:	MDDEEETYRL WKIRKTIMQL CHDRGYLVTQ DELDQTLEEF KAQFGDKPSE GRPRRTDLTV LVAHNDPTD QMFVFFPEEP KVGIKTIKVY CQRMQEENIT RALIVVQQGM TPSAKQSLVD MAPKYVLEQF LQPELLINIT EHELVPEHVV MTKEEVTELL ARYKLRESQL PRIQAGDPVA RYFGIKRGQV VKIIRPSETA GRITYRLVQ 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.

Product Details

- 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:	POLR2E
Alternative Name:	Polr2e (POLR2E Products)
Background:	DNA-directed RNA polymerases I, II, and III subunit RPABC1 (RNA polymerases I, II, and III subunit ABC1) (DNA-directed RNA polymerase II subunit E) (RPB5 homolog),FUNCTION: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Common component of RNA polymerases I, II and III which synthesize ribosomal RNA precursors, mRNA precursors and many functional non-coding RNAs, and small RNAs, such as 5S rRNA and tRNAs, respectively. Pol II is the central component of the basal RNA polymerase II transcription machinery. Pols are composed of mobile elements that move relative to each other. In Pol II, POLR2E/RPABC1 is part of the lower jaw surrounding the central large cleft and thought to grab the incoming DNA template. Seems to be the major component in this process (By similarity). {ECO:0000250, ECO:0000250 UniProtKB:P19388, ECO:0000250 UniProtKB:P20434}.
Molecular Weight:	24.6 kDa
UniProt:	Q80UW8
Pathways:	Regulatory RNA Pathways

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
