

Product datasheet for **AR50579PU-N**

POLR3H (1-204, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	POLR3H (1-204, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMFVLVEM VDTVRIPPWQ FERKLNDSIA EELNKKLANK VVYNVGLCIC LFDITKLEDA YVFPDGDGASH TKVHFRCVVF HPFLDEILIG KIKGCSPEGV HVSLGFFDDI LIPPELQQP AKFDEAEQVW VWEYETEEGA HDLYMDTGEE IRFRVDESF VDTSPGSPS ADATTSSEEL PKKEAPYTLV GSISEPGLGL LSWWTSN
Tag:	His-tag
Predicted MW:	25.3 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human POLR3H protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Locus ID:	171568
Cytogenetics:	22q13.2
Synonyms:	5031409G22Rik; polymerase (RNA) III (DNA directed) polypeptide H; RPC8; RPC8, KIAA1665, MGC29654, MGC111097



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Summary:

DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific peripheric component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Protein Families:

Transcription Factors

Protein Pathways:

Cytosolic DNA-sensing pathway, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

Product images: