

Product datasheet for **AR51579PU-N**

POLR3K (1-108, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	POLR3K (1-108, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMLLFCPG CGNGLIVEEG QRCHRFACNT CPYVHNITRK VTNRKYPKPK EVDDVLGGAA AWENVNSTAE SCPKCEHPRA YFMLQLQTRSA DEPMTTFYKC CNAQCGHRWR D
Tag:	His-tag
Predicted MW:	14.7 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 2 mM DTT, 2 mM EDTA
Preparation:	Liquid purified protein
Protein Description:	Recombinant human POLR3K 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.
RefSeq:	NP_057394
Locus ID:	51728
UniProt ID:	Q9Y2Y1
Cytogenetics:	16p13.3
Synonyms:	C11; C11-RNP3; HLD21; My010; RPC10; RPC11; RPC12.5



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Summary:

This gene encodes a small essential subunit of RNA polymerase III, the polymerase responsible for synthesizing transfer and small ribosomal RNAs in eukaryotes. The carboxy-terminal domain of this subunit shares a high degree of sequence similarity to the carboxy-terminal domain of an RNA polymerase II elongation factor. This similarity in sequence is supported by functional studies showing that this subunit is required for proper pausing and termination during transcription. Pseudogenes of this gene are found on chromosomes 13 and 17.[provided by RefSeq, Jul 2010]

Protein Families:

Transcription Factors

Protein Pathways:

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

Product images: