9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

POLR3H Human

Polymerase (RNA) III (DNA directed) Polypeptide H Human Recombinant RCP1685

Product Overview

Name	POLR3H Human
Description	
Polymerase (RNA) III (DNA directed) Polypeptide H Human Recombinant	
Accession (Primary)	Q9Y535
Synonyms	
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, POLR3H, KIAA1665, RPC8.	
Introduction	
Polymerase (RNA) III (DNA directed) Polypeptide H(POLR3H) is a member of the eukaryotic RPB7/RPC8 RNA polymerase subunit family. POLR3H is DNA-dependent RNA polymerase which catalyzes the transcription of DNA into RNA utilizing the 4 ribonucleoside triphosphates as substrates. POLR3H has a central role in sensing and curbing infection by intracellular bacteria and DNA viruses. POLR3H functions as nuclear and cytosolic DNA sensor which is involved in innate immune response.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
POLR3H protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MFVLVEM VDTVRIPPWQ FERKLNDSIA EELNKKLANK VVYNVGLCIC LFDITKLEDA YVFPGDGASHTKVHFRCVVF HPFLDEILIG KIKGCSPEGV HVSLGFFDDI LIPPESLQQP	

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AKFDEAEQVW VWEYETEEGA HDLYMDTGEE IRFRVVDESF VDTSPTGPSS ADATTSSEEL PKKEAPYTLV GSISEPGLGL LSWWTSN.

Precautions

POLR3H Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9Y535)