## 32-4479: Recombinant Human Polymerase (RNA) III (DNA directed) Polypeptide H

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\begin{array}{ll}
\text { Alternative } & \text { DNA-directed RNA polymerase III subunit RPC8,RNA polymerase III subunit C8,DNA-directed RNA } \\
\text { Name : } & \text { polymerase III subunit H,RNA polymerase III subunit } 22.9 \mathrm{kDa} \text { subunit,RPC22.9,POLR3H,KIAA1665,RPC8. }
\end{array}
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## Description

Source : Escherichia Coli. POLR3H Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 227 amino acids (1-204 a.a.) and having a molecular mass of 25.3kDa (Molecular size on SDS-PAGE will appear higher). POLR3H is fused to a 23 amino acid His-tag at N -terminus \& purified by proprietary chromatographic techniques. 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.

## Product Info

Amount: $\quad 20 \mu \mathrm{~g}$
Purification : $\quad$ Greater than $90.0 \%$ as determined by SDS-PAGE.
Content: $\quad$ POLR3H protein solution $(0.5 \mathrm{mg} / \mathrm{ml})$ containing 20 mM Tris-HCl buffer ( pH 8.0 ), $0.1 \mathrm{M} \mathrm{NaCl}, 10 \%$ glycerol and 1 mM DTT.
Store at $4^{\circ} \mathrm{C}$ if entire vial will be used within $2-4$ weeks. Store, frozen at $-20^{\circ} \mathrm{C}$ for longer periods of

## Storage condition :

Amino Acid :
time. For long term storage it is recommended to add a carrier protein ( $0.1 \%$ HSA or BSA).Avoid multiple freeze-thaw cycles.
MGSSHHHHHH SSGLVPRGSH MGSMFVLVEM VDTVRIPPWQ FERKLNDSIA EELNKKLANK VVYNVGLCIC LFDITKLEDA YVFPGDGASHTKVHFRCVVF HPFLDEILIG KIKGCSPEGV HVSLGFFDDI LIPPESLQQP AKFDEAEQVW VWEYETEEGA HDLYMDTGEE IRFRVVDESF VDTSPTGPSS ADATTSSEEL PKKEAPYTLV GSISEPGLGL LSWWTSN.


