

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

**Alternative Name :** 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.

### 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 :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** POLR3H protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSFVLVEM VDTVRIIPWQ FERKLNSIA EELNKKLANK VVYNVGLCIC LFDITKLEDA YVFPDGDGASHTKVHFRVVF HPFLDEILIG KIKGCSPEGV HVSLGFFDDI LIPPESLQQP AKFDEAEQVW VWEYETEEGA HDLYMDTGEE IRFRVDES FVDTSPGSS ADATTSSEEL PKKEAPYTLV GSISEPGLGL LSWWTSN.

