

## 32-2701: POLR3K Recombinant Protein

**Alternative Name :**

DNA-directed RNA polymerase III subunit RPC10, RNA polymerase III subunit C10, DNA-directed RNA polymerase III subunit K, RNA polymerase III 12.5 kDa subunit, RPC12.5, RNA polymerase III subunit C11, HsC11p, RPC11, hRPC11, POLR3K, My010, Polymerase I

### Description

Source : Escherichia Coli. POLR3K Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 131 amino acids (1-108 a.a) and having a molecular mass of 14.7kDa. POLR3K is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Polymerase III Polypeptide K, known as POLR3K, is a small vital subunit of RNA polymerase III. The carboxy-terminal domain of POLR3K owns a sequence which is very similar to the carboxy-terminal domain of an RNA polymerase II elongation factor. POLR3K takes part in sensing and limiting infection by intracellular bacteria and DNA viruses. POLR3K is also plays a role as nuclear and cytosolic DNA sensor which takes part in the innate immune response.

### Product Info

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|----------------------------|--|
| <b>Amount :</b>            | 10 µg  |
| <b>Purification :</b>      | Greater than 85.0% as determined by SDS-PAGE.  |
| <b>Content :</b>           | POLR3K protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 50% glycerol, 2mM DTT and 2mM EDTA.  |
| <b>Storage condition :</b> | 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. |
| <b>Amino Acid :</b>        | MGSSHHHHHH SGLVPRGSH MGSMLLFCPG CGNGLIVEEG QRCHRFAACNT CPYVHNITRK<br>VTNRKYPKLLK EVDDVLGGAA AWENVNSTAE SCPKCEHPRA YFMLQTRSA DEPMITTFYKC<br>CNAQCGRWR D.  |