

32-2697: POLR3F Recombinant Protein

Alternative Name : DNA-directed RNA polymerase III subunit RPC6, RNA polymerase III subunit C6, DNA-directed RNA polymerase III subunit F, RNA polymerase III 39 kDa subunit, RPC39, POLR3F, RPC6.

Description

Source : E.coli. POLR3F Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 339 amino acids (1-316) and having a molecular mass of 38.1kDa. POLR3F is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Polymerase III Polypeptide F (POLR3F) is a member of the eukaryotic RPC34/RPC39 RNA polymerase subunit family. POLR3F is DNA-dependent RNA polymerase which catalyzes the transcription of DNA into RNA using the 4 ribonucleoside triphosphates as substrates. POLR3F is one of many subunits forming eukaryotic RNA polymerase III (RNA Pol III), which transcribes 5S ribosomal RNA and tRNA genes. POLR3F binds both TFIIB90 and TBP, 2 subunits of RNA polymerase III transcription initiation factor IIIB (TFIIIB).

Product Info

Amount : 20 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : The POLR3F solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 30% 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 SSSLVPRGSH MGSMAEVKVK VQPPDADPVE IENRIELCH QFPHGITDQV IQNEMPHIEA QQRAVAINRL LSMGQLDLLR SNTGLLYRIK DSQNAGKMKG SDNQEKLVIYQ IEDAGNKGI WSRDIRYKSN LPLTEINKIL KNLESKLIK AVKSVAASKK KVYMLYNLQP DRSVTGGAWY SDQDFESEFV EVLNQQCCKF LQSKAETARE SKQNPMIQRN SSFASSHEVW KYICELGISK VELSMEDIET ILNTLIYDGK VEMTIIAAKE GTVGSVDGDM KLYRAVNPII PPTGLVRAPC GLCPVFDDCH EGGEISPSNC IYMTEWLEF.