

POLR3F Human

Description: 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.

Catalog #: ENPS-657

For research use only.

Synonyms: 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.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MGSM AEVKVQVQPPDADPVE
IENRIIELCH QFPHGITDQV IQNEMPHIEA QQRAVA INRL LSMGQLDLLR SNTGLLYRIK
DSQNAGKMKG SDNQEKL VYQ IEDAGNKGI WSRDIRYKSN LPLTEINKIL KNLESKKLIK
AVKSVAASKK KVMYMLYNLQP DRSVTGGAWY SDQDFESEFV EVLNQQCFKF LQSKAETARE
SKQNPMIQRN SS

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

The POLR3F solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 30% 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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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 TFIIIB90 and TBP, 2 subunits of RNA polymerase III transcription initiation factor IIIB (TFIIIB).

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