

Product datasheet for **TP518709**

Polr3c (NM_028925) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse polymerase (RNA) III (DNA directed) polypeptide C (Polr3c), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218709 representing NM_028925 Red =Cloning site Green =Tags(s)

MTQAEIKLCSLLLQEHFGEIVEKIGVHLVRTGSQPLRVIAHDTKASLDQVKKALCVLIHHNLVLYHVHKR
GVVEYEAQCSRVLRLRYPRIYITTKLYGDTGELIVEELLNGKMTMSAVVKKVADRLTETMEDGKTMD
YAEVSNAFVRLADTHFVQRCPLVPDSDSSDRGPPPPAPTLVINEKDMYLVPKLSLIGKGRSSDEDAT
GEPKAKKPRYTDNKEPSPDDGIYWQVNLDRFHQHFRDQAIVSAVANRMDQTSSEIVRTMLRMSEITPSS
APYTQPLSSNEIFRSLPVGYNISKQVLDQYLTLADDPLEFIGKSGDSGGGMFVINLHKALASLATATLE
SVIQUERFGSRCARIFRLVLQKKHLEQKQVEDFAMIPAKEAKDMLYKMLSENIFILLQEIPTPDHAPSRTF
YLYTVNVLSAARMLLHRCYKSANLIERRQFETKENRLLKESQRVEAIMASMQATGAEVQLQIEIEMI
TAPERQQLLETLKRNVNKLDASEIQVDETIFLLESYIESTMKRQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	61.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_083201



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Locus ID: 74414

UniProt ID: [Q9D483](#), [B2RX77](#)

RefSeq Size: 1796

Cytogenetics: 3 F2.1

RefSeq ORF: 1599

Synonyms: 4933407E01Rik; RPC3; RPC62

Summary: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific core component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. May direct with other members of the subcomplex RNA Pol III binding to the TFIIIB-DNA complex via the interactions between TFIIIB and POLR3F. May be involved either in the recruitment and stabilization of the subcomplex within RNA polymerase III, or in stimulating catalytic functions of other subunits during initiation. Plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts induce type I interferon and NF-Kappa-B through the RIG-I pathway. Preferentially binds single-stranded DNA (ssDNA) in a sequence-independent manner.[UniProtKB/Swiss-Prot Function]