

## Product datasheet for TP506248

### Polr3d (NM\_025945) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse polymerase (RNA) III (DNA directed) polypeptide D (Polr3d), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206248 representing NM_025945 Red=Cloning site Green=Tags(s)

MSEGNAAGEPSNPGGPRPLLSSGGRGLIGRRPAPPLTPGRLPSIRSRDLTLGGVKKKFTFPNIISRKIKEE  
PKEEVTMKKEKRERDRDRQREGHGRRGRGRPEVIQSHSIFEQGAEMMKKKGNWDKTVDMSDMGPSHIINI  
KKEKRETDEETKQILRMLEKDDFDIDPGLKNDTRNMPVQLPLAHSGWLFKEESEPEAKPLSAGPKEEDM  
EVDVPAVKVKEEPRDEEEEEAKVKAPPRAARKTPGLPKDVSVAELLRELSLMKDEELLFLQLPDTLPGQPP  
TQDIKPVKTEVQGEDGQMWWIKQEKDREARLAENACTLADLTEGQVGKLLIRKSGKVQLLLGKVTLDVDTM  
GTTCSFLQELVSVGLGDSRTGEMTVLGHVHKHLVCSPDFESLLDHKHR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	44.8 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:	<a href="#">NP_080221</a>
Locus ID:	67065
UniProt ID:	<a href="#">Q91WD1</a>



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**RefSeq Size:** 1998

**Cytogenetics:** 14 D2

**RefSeq ORF:** 1194

**Synonyms:** 44kDa; 2810426M17Rik; AI326118; AW489084; BN51T; RPC4; TSBN51

**Summary:** DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. 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 (By similarity).[UniProtKB/Swiss-Prot Function]