

## Product datasheet for **TP304400M**

### POP5 (NM\_015918) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human processing of precursor 5, ribonuclease P/MRP subunit ( <i>S. cerevisiae</i> ) (POP5), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204400 protein sequence Red=Cloning site Green=Tags(s)

MVRFKHYRLLCELVSDDPRLSLDDRVLSSLVRD TIARVHGTFGAAAC SIGFAVRYLNAYTGIVLLRCR  
KEYFQLVWSALPFITYLENK GHRYP CFFNTLHVGGTIRTCQKFLIQYNRRQLLILLQNCTDEGEREAIQK  
SVTRSCLEEEEEESGEEAAEAME

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	18.6 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<u><a href="#">NP_057002</a></u>
Locus ID:	51367
UniProt ID:	<u><a href="#">Q969H6</a></u>



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RefSeq Size: 801

Cytogenetics: 12q24.31

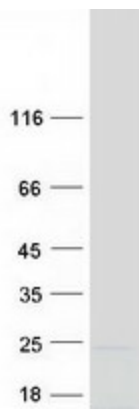
RefSeq ORF: 489

Synonyms: hPop5; HSPC004; RPP2; RPP20

**Summary:** Component of ribonuclease P, a protein complex that generates mature tRNA molecules by cleaving their 5'-ends (PubMed:11413139, PubMed:30454648). Also a component of the MRP ribonuclease complex, which cleaves pre-rRNA sequences (PubMed:28115465).  
[UniProtKB/Swiss-Prot Function]

**Protein Families:** Stem cell - Pluripotency

### Product images:



Coomassie blue staining of purified POP5 protein (Cat# [TP304400]). The protein was produced from HEK293T cells transfected with POP5 cDNA clone (Cat# [RC204400]) using MegaTran 2.0 (Cat# [TT210002]).