

Product datasheet for PH304400

POP5 (NM_015918) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	POP5 MS Standard C13 and N15-labeled recombinant protein (NP_057002)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204400
Predicted MW:	18.8 kDa
Protein Sequence:	>RC204400 protein sequence Red=Cloning site Green=Tags(s) MVRFKHRYLLCELVSDDPRCRLSLDDRVLSSLVRDTIARVHGTFGAAACSIGFAVRYLNAYTGIVLLRCR KEYFQLVWSALPFITYLENKGHRYPCFFNTLHVGGTIRTCQKFLIQYNRRQLILLQNCTDEGEREAIQK SVTRSCLEEEEEESGEEAAEAME TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_057002</u>
RefSeq Size:	801
RefSeq ORF:	489
Synonyms:	hPop5; HSPC004; RPP2; RPP20
Locus ID:	51367
UniProt ID:	<u>Q969H6</u>



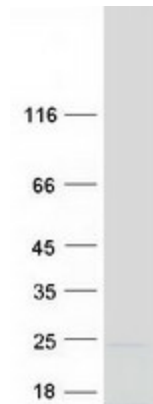
[View online »](#)

Cytogenetics: 12q24.31

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]).