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## Product Data Sheet

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Product Name: RPP30 Human  
 Cat. No.: GP22234  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ribonuclease P protein subunit p30; RNaseP protein p30; RNase P subunit 2; RPP30; RNASEP2; TSG15; FLJ38491; RP11-320F15.1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMVFADL DLRAGSDLKA LRGLVETAAH LGYSVVAINH IVDFKEKKQE IEKPVAVSEL FTTLPIVQGK SRPIKILTRL TIIVSDPSHC NVLRATSSRA RLYDVVAVFP KTEKLFHIAC THLDVDLVCI TVTEKLPFYF KRPPINVAID RGLAFELVYS PAIKDSTMRR YTISSALNLM QICKGKNVII SSAAERPLEI RGPYDVANLG LLFGLSESDA KAAVSTNCRA ALLHGETRKT AFGIISTVKK PRPSEGDEDC LPASKKAKCE G.		
Formulation	The RPP30 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 5mM DTT, 200mM NaCl and 1mM EDTA.		

### Introduction

Ribonuclease P protein subunit p30 (RPP30) is a member of the eukaryotic/archaeal RNase P protein component 3 family. RPP30 is component of ribonuclease P, which is a protein complex that generates mature tRNA molecules by cleaving their 5'-ends. Ribonuclease P (RNase P) is small nuclear ribonucleoprotein (snRNPs) which acts on RNA substrates in vitro. In addition, RNase P which accumulate in the nucleolus, have a similar RNA component and several protein subunits in common.

### 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.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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RPP30 Human Recombinant fused with a 23 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 291 amino acids (1-268 a.a.) and having a molecular mass of 31.8kDa. The RPP30 is purified by proprietary chromatographic techniques.

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