

## Recombinant Human POP4, His-tagged

Cat. No. POP4-7581H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human POP4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-220aa
<b>Antigen Description</b>	POP4 is one of the protein subunits of the small nucleolar ribonucleoprotein complexes: the endoribonuclease for mitochondrial RNA processing complex and the ribonuclease P complex. POP4 is localized to the nucleus and associates directly with the RNA component of these complexes. This protein is involved in processing of precursor RNAs.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
<b>Molecular Mass</b>	27.8 kDa (243aa)
<b>AA Sequence</b>	MGSSHHHHH SSGLVPRGSH MGSMKSVIYH ALSQKEANDS DVQPSGAQRA EAFVRAFLKR STPRMSPQAR EDQLQRKAVV LEYFTRHKRK EKKKKAKGLS ARQRRELRLF DIKPEQQRYS LFLPLHELWK QYIRDLCSGL KPDTQPQMIQ AKLLKADLHG AII SVTKSKC PSYVGITGIL LQETKHIFKI ITKEDRLKVI PKLNCVFTVE TDGFISYIYG SKFQLRSSER SAKKFKAKGT IDL

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<b>Purity</b>	>85% as determined by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1 mg/ml

## GENE INFORMATION

<b>Gene Name</b>	POP4?processing of precursor 4, ribonuclease P/MRP subunit ( <i>S. cerevisiae</i> ) [?Homo sapiens?]
<b>Official Symbol</b>	POP4
<b>Synonyms</b>	POP4; RPP29; ribonuclease P protein subunit p29; hPOP4; EC 3.1.26.5; processing of precursor 4, ribonuclease P/MRP subunit ( <i>S. cerevisiae</i> )
<b>Gene ID</b>	<a href="#">10775</a>
<b>mRNA Refseq</b>	<a href="#">NM_006627</a>
<b>Protein Refseq</b>	<a href="#">NP_006618</a>
<b>MIM</b>	<a href="#">606114</a>
<b>UniProt ID</b>	<a href="#">O95707</a>
<b>Chromosome Location</b>	19q12

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<b>Pathway</b>	RNA transport; Ribosome biogenesis in eukaryotes
<b>Function</b>	RNA binding; protein binding; ribonuclease P activity

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