

Recombinant Human POP4, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human POP4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-220aa
Antigen Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	27.8 kDa (243aa)
AA Sequence	MGSSHHHHH SSGLVPRGSH MGSMKSVIYH ALSQKEANDS DVQPSGAQRA EAFVRAFLKR STPRMSPQAR EDQLQRKAVV LEYFTRHKRK EKKKKAKGLS ARQRRELRLF DIKPEQQRY S LFLPLHELWK QYIRDLCSGL KPDTQPQMIQ AKLLKADLHG AIISVTKSKC PSYVGITGIL LQETKHIFKI ITKEDRLKVI PKLNCVFTVE TDGFISYIYG SKFQLRSSER SAKKFKAKGT IDL

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Purity	>85% as determined by SDS - PAGE
Applications	SDS-PAGE
Storage	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.
Concentration	1 mg/ml
GENE INFORMATION	
Gene Name	POP4?processing of precursor 4, ribonuclease P/MRP subunit (<i>S. cerevisiae</i>) [?Homo sapiens?]
Official Symbol	POP4
Synonyms	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>)
Gene ID	10775
mRNA Refseq	NM_006627
Protein Refseq	NP_006618
MIM	606114
UniProt ID	O95707
Chromosome Location	19q12

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Pathway	RNA transport; Ribosome biogenesis in eukaryotes
Function	RNA binding; protein binding; ribonuclease P activity