



本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

MINA, 1-465aa, Human, His tag, E.coli

产品货号: TP02980

第三版

别名:MYC induced nuclear antigen, FLJ14393, MDIG, MINA53, NO52

**描述:**MINA is an oxygenase that can act as both a histone lysine demethylase and a ribosomal histidine hydroxylase. This protein is involved in the demethylation of trimethylated 'Lys-9' on histone H3 (H3K9me3), leading to an increase in ribosomal RNA expression. It also catalyzes the hydroxylation of 60S ribosomal protein L27a on 'His-39'. MINA may play an important role in cell growth and survival. It may be involved in ribosome biogenesis, most likely during the assembly process of pre-ribosomal particles. Recombinant human MINA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**分子量:**54.9kDa(485aa)

**序列:**

MGSSHHHHHSSGLVPRGSHMPKKAKPTGSGKEEGPAPCKQMKLEAAGGPSALNFDSPSSLFESLISPIKTETFFKEFWEQ  
KPLLIQRDDPALATYYGSLFKLTDLKSLSRGMYYGRDVNVCRCVNGKKKVLNKDGAHFLQLRKDFDQKRATIQFHQP  
QRFKDELWRIQEKLECYFGSLVGSNVYITPAGSQGLPPHYDDVEVFILQLEGEKHWRLYHPTVPLAREYSVEAEERIGRPV  
HEFMLKPGDLLYFPRGTIHQADTPAGLAHSTHVTISTYQNNSWGDFLLDTISGLVFDTAKEDVELRTGIPRQLLLQVESTT  
VATRRLSGFLRTLADRLEGTKELLSSDMKKDFIMHRLPPYSAGDGAELSTPGGKLPRLDSVVRQLQKDHIVLTVLPDQDQS  
DETQEKMVYIYHSLKNSRETHMMGNEEETEFHGLRFPLSHLDALKQIWNSPAISVKDLKLTDEEKESLVLVSLWTECLIQV  
V

**纯度:**> 95% by HPLC

**浓度:**0.25 mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:**+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.