

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

Cat.NO.: TP02980

3th Edition

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

Description: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.

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

Molecular Weight:54.9kDa(485aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMPKAKPTGSGKEEGPAPCKQMKLEAAGGPSALNFDSPSSLFESLISPIKTETFF
KEFWEQKPLLIQRDDPALATYYGSLFKLTDLKSLSRGMYYGRDVNVCRCVNGKKKVLNKDGAHFLQLRKDFDQ
KRATIQFHQPQRFKDELWRIQEKLECYFGSLVGSNVYITPAGSQGLPPHYDDVEVFILQLEGEKHWRLYHPTVPLA
REYSVEAEERIGRPVHEFMLKPGDLLYFPRGTIHQADTPAGLAHSTHVTISTYQNNSWGDFLLDTISGLVFD TAKED
VELRTGIPRQLLLQVESTTVATRRLSGFLRTLADRLEGTKELLSSDMKKDFIMHRLPPYSAGDGAELSTPGGKLPRL
DSVRLQFKDHIVLTVLPDQDQSDQDETQEKMVYIYHSLKNSRETHMMGNEEETEFHGLRFPLSHLDALKQIWNSPAIS
VKDLKLTDEEKESLVLSLWTECLIQVV

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.