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# Recombinant human MINA protein

Catalog Number: ATGP2802

# **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-465aa

#### UniProt No.

**08IUF8** 

#### **NCBI Accession No.**

AAH14928

### **Alternative Names**

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

# **PRODUCT SPECIFICATION**

## **Molecular Weight**

54.9 kDa (485aa)

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

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

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

### **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.



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# **Amino acid Sequence**

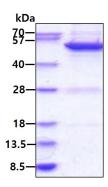
<MGSSHHHHHH SSGLVPRGSH> MPKKAKPTGS GKEEGPAPCK QMKLEAAGGP SALNFDSPSS LFESLISPIK TETFFKEFWE QKPLLIQRDD PALATYYGSL FKLTDLKSLC SRGMYYGRDV NVCRCVNGKK KVLNKDGKAH FLQLRKDFDQ KRATIQFHQP QRFKDELWRI QEKLECYFGS LVGSNVYITP AGSQGLPPHY DDVEVFILQL EGEKHWRLYH PTVPLAREYS VEAEERIGRP VHEFMLKPGD LLYFPRGTIH QADTPAGLAH STHVTISTYQ NNSWGDFLLD TISGLVFDTA KEDVELRTGI PRQLLLQVES TTVATRRLSG FLRTLADRLE GTKELLSSDM KKDFIMHRLP PYSAGDGAEL STPGGKLPRL DSVVRLQFKD HIVLTVLPDQ DQSDETQEKM VYIYHSLKNS RETHMMGNEE ETEFHGLRFP LSHLDALKQI WNSPAISVKD LKLTTDEEKE SLVLSLWTEC LIQVV

#### **General References**

Strausberg, R.L., et al. (2002) Proc. Natl. Acad. Sci. u.S.A. 99 (26), 16899-16903

# **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

