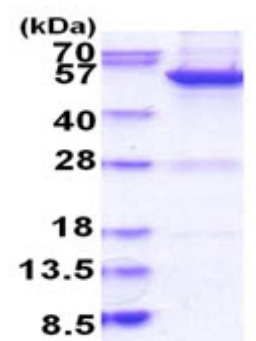


AR51622PU-N

Human MYC-induced nuclear antigen (1-465, His-tag) - Purified

Alternate names:	MDIG, MINA, MINA53, Mineral dust-induced gene protein, NO52, Nucleolar protein 52
Quantity:	0.1 mg
Concentration:	0.25 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	Q8IUF8
NCBI:	AAH14928
GeneID:	84864
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Description:	Recombinant human MINA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MPKKAKPTGS GKEEGPAPCK QMKLEAAGGP SALNFDSPSS LFESLISPIK TETFFKEFWE QKPLLIQRDD PALATYYGSL FKLTDLKSLC SRGMYGRDV NVCRCVNGKK KVLNKGKAH FLQLRKDFDQ KRATIQFHQP QRFKDELWRI QEKLECYFGS LVGSNVYITP AGSQGLPPHY DDVEVFILQL EGEKHWRLYH PTVPLAREYS VEAERIGRP VHEFMLKPGD LLYFPRGTIH QADTPAGLAH STHVTISTYQ NNSWGDFLLD TISGLVFDTA KEDVELRTGI PRQLLLQVES TTVATRRLSG FLRTLADRLE GTKELLSSDM KKDFIMHRLP PYSAGDGAEL STPGGKLPR LSVVRLQFKD HIVLTVLPDQ DQSDTEQEM VYIYHSLKNS RETHMMGNEE ETEFHGLRFP LSHLDALKQI WNSPAISVKD LKLTDEEKE SLVLSLWTEC LIQVV Molecular weight: 54.9 kDa (485aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Strausberg, R.L., et al. (2002) Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903

Pictures:



15% SDS-PAGE (3ug)