

## 32-4211: Recombinant Human MYC Induced Nuclear Antigen

**Alternative Name :** MYC Induced Nuclear Antigen, MINA53, MDIG, 60S Ribosomal Protein L27a Histidine Hydroxylase, Mineral Dust-Induced Gene Protein, Histone Lysine Demethylase MINA Ribosomal Oxygenase MINA, Nucleolar Protein 52, NO52, ROX, Bifunctional Lysine-Specific

### Description

Source : Escherichia Coli. MINA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 485 amino acids (1-465 a.a) and having a molecular mass of 54.9kDa. MINA is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. MYC Induced Nuclear Antigen, also known as MINA is an oxygenase which can function both as a histone lysine demethylase and a ribosomal histidine hydroxylase. MINA is involved in the demethylation of trimethylated Lys-9 on histone H3 (H3K9me3), leading to an increase in ribosomal RNA expression. MINA also catalyzes the hydroxylation of 60S ribosomal protein L27a on His-39. In addition, MINA plays a significant role in cell growth and survival. MINA is implicated in ribosome biogenesis, probably in the duration of the assembly process of pre-ribosomal particles.

### Product Info

**Amount :** 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** MINA protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MPKKAKPTGS GKEEGPAPCK QMKLEAAGGP SALNFDSPSS LFESLISPIK TETFFKEFWE QKPLLIQRDD PALATYYGSL FKLTDLKSLC SRGMYGGRDV NVCRCVNGKK KVLNKDGKAH FLQLRKDFDQ KRATIQFHQP QRFKDELWRI QEKLECYFGS LVGSNVYITP AGSQGLPPHY DDVEVFILQL EGEKHWRLYH PTVPLAREYS VEAERIGRP VHEFMLKPGD LLYFPRGTIH QADTPAGLAH STHVTISTYQ NNSWGDFFLD TISGLVFDTA KEDVELRTGI PRQLLLQVES TTVATRRLSG FLRTLADRLE GTKELLSSDM KKDFIMHRLP PYSAGDGAEL STPGGKLPRL DSVVRLQFKD HIVLTVLPDQ DQSDETQEKM VYIYHSLKNS RETHMMGNEE ETEFHGLRFP LSHLDALKQI WNSPAISVKD LKLTTDEEKE SLVLSLWTEC LIQVV.

