9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MINA Human

MYC Induced Nuclear Antigen Human Recombinant
RCP1369

Product Overview

Name	MINA Human
Description	
MYC Induced Nuclear Antigen Human Recombinant	
Accession (Primary)	Q8IUF8
Synonyms	
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 Demethylase And Histidyl-Hydroxylase MINA, Myc-Induced Nuclear Antigen, 53 KDa, Mineral Dust Induced Gene Protein, MYC-Induced Nuclear Antigen, EC 1.14.11.-, Bifunctional lysine-specific demethylase and histidyl-hydroxylase MINA.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
MINA protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	

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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.

Precautions

MINA Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8IUF8)