

Recombinant Human NmrA-Like Family Domain Containing 1, His-tagged

Cat. No. NMRAL1-6837H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NMRAL1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-299aa
Description	NMRAL1 is a redox sensor protein that undergoes restructuring and subcellular redistribution in response to changes in intracellular NADPH/NADP ⁺ levels. At low NADPH concentrations the protein is found mainly as a monomer, and binds argininosuccinate synthase (ASS1), the enzyme involved in nitric oxide synthesis.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.15M NaCl.
Molecular Mass	35.9kDa(323aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMVDKKL VVVFGGTGAQ GGSVARTLLE DGTFKVRVVT RNPRKKAKE LRLQGAEEVQ GDQDDQVIME LALNGAYATF IVTNYWESCS QEQEVKQGKL LADLARRLGL HYVVYSGLEN IKKLTAGRLA AAHFDGKGGEV EEYFRDIGVP MTSVRLPCYF ENLLSHFLPQ KAPDGKSYLL SLPTGDVPMD GMSVSDLGPV VLSLLKMPEK YVGQNIGLST CRHTAEEYAA LLTKHTRKVV HDAKMTPEDY EKLGFPGARD LANMFRFYAL RPDRDIELTL

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	RLNPKALTLQ QWLEQHKGDF NLL
Purity	>95% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	NMRAL1 NmrA-like family domain containing 1 [Homo sapiens]
Official Symbol	NMRAL1
Synonyms	NMRAL1; NmrA-like family domain containing 1; nmrA-like family domain-containing protein 1; FLJ25918; HSCARG; SDR48A1; short chain dehydrogenase/reductase family 48A; member 1; short chain dehydrogenase/reductase family 48A, member 1;
Gene ID	57407
mRNA Refseq	NM_020677
Protein Refseq	NP_065728
UniProt ID	Q9HBL8
Chromosome Location	16p13.3

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Function

nucleotide binding;

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