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32-4333: Recombinant Human NmrA-Like Family Domain Containing 1

Alternative Name : NmrA-like family domain containing protein 1,short chain dehydrogenase/reductase family 48A member 1,HSCARG,SDR48A1,FLJ25918.

Description

Source : E.coli. NMRAL1 Human Recombinant produced in E. coli is a single polypeptide chain containing 323 amino acids (1-299) and having a molecular mass of 35.9 kDa.NMRAL1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. NMRAL1 is a redox sensor protein which goes through reformation and subcellular rearrangement in reaction to alterations in intracellular NADPH/NADP+ levels. When the NADPH concentration is low the protein is found mostly as a monomer, and binds argininosuccinate synthase (ASS1), which takes part in nitric oxide synthesis. Association with ASS1 defects NMRAL1 activity and diminishes the production of nitric oxide, which then inhibits apoptosis. When the NADPH concentration is normal , the protein is found as a dimer and hides the binding site for ASS1.

Product Info

Amount :	20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The NMRAL1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 40% glycerol.
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 MGSHMVDKKL VVVFGGTGAQ GGSVARTLLE DGTFKVRVVT RNPRKKAAKE LRLQGAEVVQ GDQDDQVIME LALNGAYATF IVTNYWESCS QEQEVKQGKL LADLARRLGL HYVVYSGLEN IKKLTAGRLA AAHFDGKGEV EEYFRDIGVP MTSVRLPCYF ENLLSHFLPQ KAPDGKSYLL SLPTGDVPMD GMSVSDLGPV VLSLLKMPEK YVGQNIGLST CRHTAEEYAA LLTKHTRKVV HDAKMTPEDY EKLGFPGARD LANMFRFYAL RPDRDIELTL RLNPKALTLD QWLEQHKGDF NLL

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