

Human NMNAT1 Recombinant Protein



RPPB5821

Product Information Protein Information

Product SKU:

RPPB5821

Accession:

Q9HAN9

Host:

Escherichia Coli.

Protein description:

NMNAT1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 315 amino acids (1-279 a.a.) and having a molecular mass of 36 kDa. The NMNAT1 is fused to a 36 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

NMNAT, NMNAT1, PNAT1, Nicotinamide mononucleotide adenyltransferase 1, NMN adenyltransferase 1, Nicotinate-nucleotide adenyltransferase 1, NaMN adenyltransferase 1, EC=2.7.7.1, EC=2.7.7.18.

Formulation:

The NMNAT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl, 1mM DTT and 1mM EDTA.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

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.

Amino Acid Sequence:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSSENS EKTEVLLAC GSFNPITNMH
LRLFELAKDY MNGTGRTVV KGIISPVGDA YKKKGLIPAY HRVIMAEAT KNSKWVEVDV WESLQKEWKE
TLKVLRRHHQE KLEASDCDHQ QNSPTLERPG RKRKWTETQD SSQKKSLEPK TKAVPKVKLL CGADLLESFA
VPLNWKSEDI TQIVANYGLI CVTRAGNDAQ KFIYESDLW KHRSNIHVVN EWIANDISST
KIRRALRRGQSIRYLPDLV QEYIEKHNLV SSESEDRNAG VILAPLQRNT AEAKT.

Biological Activity:

Specific activity is > 7,000 pmol/min/ug, and was obtained by measuring the beta-NAD from nicotinamide mononucleotide and ATP per minute at pH 8.0 at 37C.