

Nicotinamide Nucleotide Adenylyltransferase 1 Human Recombinant ,

Item Number	rAP-1933
Synonyms	NMNAT, NMNAT1, PNAT1, Nicotinamide mononucleotide adenylyltransferase 1, NMN adenylyltransferase 1, Nicotinate-nucleotide adenylyltransferase 1, NaMN adenylyltransferase 1, EC=2.7.7.1, EC=2.7.7.18.
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
Uniprot Accesion Number	Q9HAN9
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSSENS EKTEVLLAC GSFNPITNMH LRL-FELAKDY MNGTGRTVV KGIISPVGDA YKKKGLIPAY HRVIMAEELAT KNSKWVEVDV WESLQKEWKE TLKVLRRHHE KLEASDCDHQ QNSPTLERPG RKRKWTETQD SSQKKSLEPK TKAVPKVKLL CGADLLESFA VPNLWKSEDI TQIVANYGLI CVTRAGNDAQ KFIYESDVLW KHRSNIHVVN EWIANDISST KIRRALRRGQSIRYLVDPDLV QEYIEKHNLY SSESEDRNAG VILAPLQRNT AEAKT.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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
Formulation and Purity	The NMNAT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl, 1mM DTT and 1mM EDTA. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**