

Nicotinamide Nucleotide Adenylyltransferase 2 Human Recombinant

Item Number	rAP-1991
Synonyms	Nicotinamide Nucleotide Adenylyltransferase 2, C1orf15, Nicotinate-Nucleotide Adenylyltransferase 2, NaMN Adenylyltransferase 2, NMN Adenylyltransferase 2, PNAT2, KIAA0479, Chromosome 1 Open Reading Frame 15, Nicotinamide Mononucleotide
Description	NMNAT2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 327 amino acids (1-307 a.a) and having a molecular mass of 36.6kDa. NMNAT2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9BZQ4
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MTETTKTHVI LLACGSFNPI TKGHIQMFER ARDYLHKTGR FIVIGGIVSP VHDSYGKQGL VSSRHRRLIMC QLAVQNSDWI RVDPWECYQD TWQTTCVLE HHRDLMKRVT GCILSNVNTP SMTPVIGQPQ NETPQPIYQN SNVATKPTAA KILGKVGESL SRICCVRPV ERFTFVDENA NLGTMRYEE IELRILLCG SDLLESFCIP GLWNEADMEV IVGDFGIVV PRDAADTDRI MNHSSILRKY KNNIMVVKDD INHPMSVVSS TKSRLALQHG DGHVVDYLSQ PVIDYILKSQ LYINASG
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear 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 protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	NMNAT2 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity: > 500 pmol/min/ug. One unit will convert 1.0 pmole of beta-NADH per minute to beta-NAD at PH 8.0 at 37°C.
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**