9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-2607: NMNAT1 Recombinant Protein

Alternative Name : 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

Source : Escherichia Coli. 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 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. NMNAT1 enzyme is vital for NAD biosynthesis, catalyzing the condensation of nicotinamide mononucleotide (NMN) or nicotinic acid mononucleotide (NaMN) with the AMP moiety of ATP to form NAD or NaAD. NMNAT1 is widely expressed with high levels in skeletal muscle, heart, liver and kidney. This protein appears to have the ability to protect against axonal degeneration following mechanical or toxic insults.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	NMNAT1 Human solution containing 20mM Tris pH-8, 0.1M NaCl, 1mM DTT, 1mM EDTA & 20% glycerol.
Storage condition :	NMNAT1 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.
Amino Acid :	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMENS EKTEVVLLAC GSFNPITNMH LRLFELAKDY MNGTGRYTVV KGIISPVGDA YKKKGLIPAY HRVIMAELAT KNSKWVEVDT WESLQKEWKE TLKVLRHHQE KLEASDCDHQ QNSPTLERPG RKRKWTETQD SSQKKSLEPK TKAVPKVKLL CGADLLESFA VPNLWKSEDI TQIVANYGLI CVTRAGNDAQ KFIYESDVLW KHRSNIHVVN EWIANDISST KIRRALRRGQSIRYLVPDLV QEYIEKHNLY SSESEDRNAG VILAPLQRNT AEAKT.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.