

NMNAT2, 1-307 aa, Human, His tag, E.coli

Cat.NO.: TP03177

3th Edition

Synonyms: nicotinamide mononucleotide adenylyltransferase 2, C1orf15, PNAT2

Description: NMNAT2 belongs to the nicotinamide mononucleotide adenylyltransferase (NMNAT) enzyme family, members of which catalyze an essential step in NAD (NADP) biosynthetic pathway. Unlike the other human family member, which is localized to the nucleus, and is ubiquitously expressed; this enzyme is cytoplasmic, and is predominantly expressed in the brain. Two transcript variants encoding different isoforms have been found for this gene. Recombinant human NMNAT2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Molecular Weight: 36.6 kDa (327aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMTETTKTHVILLACGSFNPITKGHIQMFERARDYLHKTGRFIVIGGIVSPVHDSYGK
QGLVSSRHRILIMCQLAVQNSDWIRVDPWECYQDTWQTTCVLEHHRDLMKRVTCILSNVNTPSMTPVIGQPQNE
TPQPIYQNSNVATKPTAAKILGKVGESLSRICCVRPVVERFTFVDENANLGTVMRYEEIELRILLLCGSDLLESFCIPG
LWNEADMEVIVGDFGIVVVPRDAADTDRI MNHSSILRKYKNNIMVVKDDINHPMSVVSSTKSRLALQHGDGHVVDYL
SQPVIDYILKSQLYINASG

Purity: > 95% by HPLC

Concentration: 0.25mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.