

NMNAT2, human recombinant

CATALOG #:	7811-10	10 µg
	7811-50	50 µg
ALTERNATE NAMES:	Nicotinamide mononucleotide Adenylyltransferase 2, C1orf15, PNAT2.	
SOURCE:	E. Coli	
PURITY:	> 85% by SDS - PAGE	
MOL. WEIGHT:	36.6 kDa (327 aa, 1-307 aa + His Tag)	
FORM:	Liquid	
FORMULATION:	0.25 mg/ml solution 20 mM Tris-HCl buffer (pH 8.0), 20% glycerol, 150 mM NaCl and 1 mM DTT.	

STORAGE CONDITIONS:

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.

DESCRIPTION:

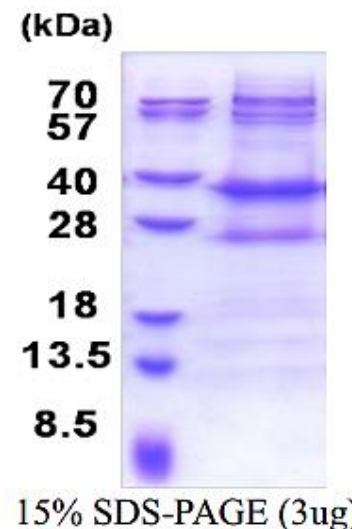
NMNAT2 belongs to the nicotinamide mononucleotide adenylyltransferase (NMNAT) enzyme family, members of which catalyze an essential step in NAD (NADP) biosynthetic pathway. Unlike the other human family member, which is localized to the nucleus, and is ubiquitously expressed; this enzyme is cytoplasmic, 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.

AMINO ACID SEQUENCE:

MGSSHHHHHH SSSLVPRGSH MTETTKTHVI LLACGSFNPI TKGHIQMFER ARDYLHKTGR FIVIGGIVSP VHDSYGKQGL VSSRHLIMC QLAVQNSDWI RVDPWECYQD TWQTTCSVLE HHRDLMKRV TGCILSNVNTPT SMTPVIGQPQ NETPQPIYQN SNVATKPTAA KILGKVGESL SRICCVRPPV ERFTFVDENA NLGTVMRYEE IELRILLCG SDLLESFCIP GLWNEADMEV IVGDFGIVVV PRDAADTDRI MNHSSILRKY KNNIMVVKDD INHPMSVVSS TKSRLALQHG DGHVVDYLSQ PVIDYILKSQ LYINASG

BIOLOGICAL ACTIVITY:

Specific activity: > 500 pmol/min/µg. One unit will convert 1.0 pmole of beta-NADH per minute to beta-NAD at PH 8.0 at 37°C



Human Recombinant NMNAT2

RELATED PRODUCTS:

- NMNAT1, human recombinant (Cat. No. 7561-10, -50)
- NMNAT3, human recombinant (Cat. No. 7562-10, -50)
- NAD/NADH Quantitation Colorimetric Kit (Cat. No. K337-100)
- NADP/NADPH Quantitation Colorimetric Kit (Cat. No. K347-100)
- PicoProbe™ NADH Fluorometric Assay Kit (Cat. No. K338-100)
- PicoProbe™ NADPH Quantitation Fluorometric Assay Kit (Cat. No. K349-100)
- NAD Kinase (catalytic domain), human recombinant (Cat. No. 7559-10)
- NAD Kinase, human recombinant (Cat. No. 7560-10)

FOR RESEARCH USE ONLY! Not to be used in humans.