

NMNAT2, human recombinant protein
Nicotinamide mononucleotide Adenylyltransferase 2, C1orf15, PNAT2
Catalog # PBV11370r

Specification

NMNAT2, human recombinant protein - Product info

Primary Accession	O9BZQ4
Concentration	0.25
Calculated MW	36.6 kDa (327 aa, 1-307 aa + His Tag) kDa

NMNAT2, human recombinant protein - Additional Info

Gene ID	23057
Gene Symbol	NMNAT2
Other Names	
Nicotinamide mononucleotide Adenylyltransferase 2, C1orf15, PNAT2	
Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥85%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity: > 500 pmol/min/ μg
Sequence	MGSSHHHHHH SGLVPRGSH MTETTKTHVI LLACGSFNPI TKGHIQMFER ARDYLHKTGR FIVIGGIVSP VHDSYGKQGL VSSRHLIMC QLAVQNSDWI RVDPWECYQD TWQTTCVLE HHRDLMKRV T GCILSNVNT SMTPVIGQPQ NETPQPIYQN SNVATKPTAA KILGKVGESL SRICCV RPPV ERFTFVDENA NLGTV MRYEE IELRILL LCG SDLLESFCIP GLWNEADMEV IVGDFGIVVV PRDAADTDRI MNHSSILRKY KNNIMVVKDD INHPMSVSVSS TKSRLALQHG DGHVVDYLSQ PVIDYILKSQ LYINASG

Target/Specificity
NMNAT2

Format
Liquid

Storage
-20°C; 0.25 mg/ml solution 20 mM Tris-HCl buffer (pH 8.0), 20% glycerol, 150 mM NaCl and 1 mM DTT.

NMNAT2, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NMNAT2, human recombinant protein - Images

NMNAT2, human recombinant protein - Background

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.

NMNAT2, human recombinant protein - References

Sood R.,et al.Genomics 73:211-222(2001).
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Gregory S.G.,et al.Nature 441:315-321(2006).
Raffaelli N.,et al.Biochem. Biophys. Res. Commun. 297:835-840(2002).
Yalowitz J.A.,et al.Biochem. J. 377:317-326(2004).