

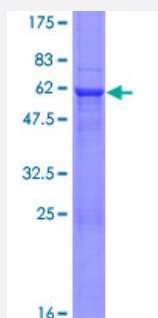
Full-Length

NMNAT2 (Human) Recombinant Protein (P02)

Catalog # H00023057-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NMNAT2 full-length ORF (NP_055854.1, 1 a.a. - 307 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTETTKTHVILLACGSFNPIKGGHQMFERARDYLHKTGRFMIGGIVSPVHDSYGKQGLVSSRHRLIM
CQLAVQNSDWIRVDPWECYQDTWQTTCVLEHHRDLMKRVTCILSNVNTPSMTPVIGQPQNET
PQPIYQNSNVATKPTAAKILGKVGESLSRICCVRPVVERFTFVDENANLGTVMRYEEIELRILLCGS
DLLESFCIPGLWNEADMEVIVGDFGMVVPDAADTDRIIMNHSSILRKYKNIMVVKDDINHPMSVV
SSTKSRLALQHGDGHVVDYLSQPVIDYILKSQLYINASG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.8

Interspecies Antigen Sequence

Mouse (98); Rat (98)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NMNAT2

Entrez GeneID[23057](#)**GeneBank Accession#**[NM_015039.2](#)**Protein Accession#**[NP_055854.1](#)**Gene Name**

NMNAT2

Gene Alias

C1orf15, KIAA0479, MGC2756, PNAT-2, PNAT2

Gene Description

nicotinamide nucleotide adenylyltransferase 2

Omim ID[608701](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene product 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. [provided by RefSeq]

Other Designations

OTTHUMP00000033548|OTTHUMP00000033549|nicotinamide mononucleotide adenylyltransferase 2|pyridine nucleotide adenylyltransferase 2

Pathway

- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)

Disease

- [Tobacco Use Disorder](#)