

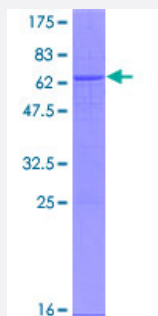
Full-Length

MNAT1 (Human) Recombinant Protein (P01)

Catalog # H00004331-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MNAT1 full-length ORF (NP_002422.1, 1 a.a. - 309 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDDQGCPRCKTTKYRNPSLKMVNVCGHTLCESVDLLFVRGAGNCPECGTPLRKS NFRVQLF
EDPTVDKEVEIRKKVLKYNKREEDFPSLREYND FLEEVEEMFNLTNNVDLDNTKKKMEYQKENK
DVIQKNKLKLTREQEELEEAL E VERQENEQRRLFIQKEEQLQQILKRKNKQAF LDELESSDLPVAL
LLAQHKDRSTQLEMQLKPKPKVPVTFSTGIKMGQHISLAPIHKLEEAL YEYQPLQIETYGPHVPEL
EMLGRLGYLNHVRAASPQDLAGGYTSSLACHRALQDAFSGLFWQPS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

62.2

Interspecies Antigen Sequence

Mouse (96); Rat (96)

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 — MNAT1

Entrez GeneID[4331](#)**GeneBank Accession#**[NM_002431.2](#)**Protein Accession#**[NP_002422.1](#)**Gene Name**

MNAT1

Gene Alias

MAT1, RNF66, TFB3

Gene Description

menage a trois homolog 1, cyclin H assembly factor (Xenopus laevis)

Omim ID[602659](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Cyclin-dependent kinases (CDKs), which play an essential role in cell cycle control of eukaryotic cells, are phosphorylated and thus activated by the CDK-activating kinase (CAK). CAK is a multisubunit protein that includes CDK7 (MIM 601955), cyclin H (CCNH; MIM 601953), and MAT1. MAT1 (for 'menage a trois-1') is involved in the assembly of the CAK complex.[supplied by OMIM]

Other Designations

cyclin G1 interacting protein|cyclin H assembly factor|menage a trois 1 (CAK assembly factor)

Pathway

- [Nucleotide excision repair](#)

Disease

- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Lung Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Recurrence](#)
- [Tobacco Use Disorder](#)