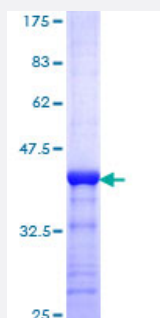


MNAT1 (Human) Recombinant Protein (Q01)

Catalog # H00004331-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MNAT1 partial ORF (NP_002422, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDDQGCPRCKTTKYRNP SLKLMVNVCGHTLCESCVDLLFVRGAGNCPECGTPLRKSNFRVQLFEDPTVDKEVEIRKKVLKIYNKREEDFPSLREYNDFLEEEVEEMFNLT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (100); Rat (100)
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](#)

Protein Accession# [NP_002422](#)

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](#)