

CDK-activating kinase assembly factor MAT1

Catalog No: #AP78999



Package Size: #AP78999-1 50ug #AP78999-2 100ug #AP78999-3 1mg

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Description

Product Name	CDK-activating kinase assembly factor MAT1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	Internal
Other Names	CAP35,MAT1,RNF66,CDK7/cyclin-H assembly factor,Cyclin-G1-interacting protein,Menage a trois,RING finger protein 66,RING finger protein MAT1,p35,p36
Accession No.	P51948Gene name:MNAT1
Uniprot	P51948
GenID	4331;
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Stabilizes the cyclin H-CDK7 complex to form a functional CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIID basal transcription factor activates RNA polymerase II by serine phosphorylation of the repetitive C-terminal domain (CTD) of its large subunit (POLR2A), allowing its escape from the promoter and elongation of the transcripts. Involved in cell cycle control and in RNA transcription by RNA polymerase II.

References

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Note: This product is for in vitro research use only