Bioactive

CDK16 (S153A)/CCNY (Human) Recombinant Protein

Catalog # P6535 Size 5 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human CDK16 S153A mutant/CCNY (NP_006192.1/NP_659449.3) partial recombinant protein with GST-tag at N-terminal using baculovirus expression system.
Host	Viruses
Form	Liquid
Preparation Method	Baculovirus expression system.
Purification	Glutathione sepharose chromatography.
Purity	0.91
Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorecen ce-labeled substrate and Mg (or Mn)/ATP. Substrate: PCTAIRE1 peptide, ATP: 100 uM.
Quality Control Testing	The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Storage Instruction	Stored at -80°C. Aliquot to avoid repeated freezing and thawing.

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Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study

Gene Info — PCTK1

Entrez GeneID	5127
Protein Accession#	NP_006192.1;NP_659449.3
Gene Name	PCTK1
Gene Alias	FLJ16665, PCTAIRE, PCTAIRE1, PCTGAIRE
Gene Description	PCTAIRE protein kinase 1
Omim ID	311550
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the cdc2/cdkx subfamily of the ser/thr family of protei n kinases. It may play a role in signal transduction cascades in terminally differentiated cells. This gene is thought to escape X inactivation. Alternative splicing results in two transcript variants enco ding different isoforms. [provided by RefSeq
Other Designations	OTTHUMP00000023208|OTTHUMP00000023209|PCTAIRE-motif protein kinase 1|serine/threo nine-protein kinase

Gene Info — CCNY

Entrez GeneID	219771
Protein Accession#	NP_006192.1;NP_659449.3
Gene Name	CCNY
Gene Alias	C10orf9, CBCP1, CFP1, FLJ95513
Gene Description	cyclin Y
Gene Ontology	Hyperlink

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Gene Summary	Cyclins, such as CCNY, control cell division cycles and regulate cyclin-dependent kinases (e.g., C DC2; MIM 116940) (Li et al., 2009 [PubMed 18060517]).[supplied by OMIM
Other Designations	OTTHUMP00000019452|OTTHUMP00000019453|cyclin fold protein 1|cyclin-box carrying protein 1

Disease

- Alzheimer disease
- Cerebral Amyloid Angiopathy
- Colitis
- Crohn Disease
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Genetic Predisposition to Disease
- Inflammatory Bowel Diseases
- Neuroblastoma
- Rectal Fistula

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