

Cyclin-dependent kinase 5 activator 1

Catalog No: #AP79077

Package Size: #AP79077-1 50ug #AP79077-2 100ug #AP79077-3 1mg

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Description

Product Name	Cyclin-dependent kinase 5 activator 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Rat
Immunogen Description	99-307AA
Other Names	Cdk5r,Cyclin-dependent kinase 5 regulatory subunit 1,TPKII regulatory subunit
Accession No.	P61810Gene name:Cdk5r1
Uniprot	P61810
GeneID	116671;
Calculated MW	22.99
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

p35 is a neuron specific activator of CDK5. The complex p35/CDK5 is required for neurite outgrowth and cortical lamination. Involved in dendritic spine morphogenesis by mediating the EFNA1-EPHA4 signaling. Activator of TPKII. The complex p35/CDK5 participates in the regulation of the circadian clock by modulating the function of CLOCK protein: phosphorylates CLOCK at 'Thr-451' and 'Thr-461' and regulates the transcriptional activity of the CLOCK-ARNTL/BMAL1 heterodimer in association with altered stability and subcellular distribution.

References

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Note: This product is for in vitro research use only