

Cyclin-dependent kinase 5 activator 1 (Cdk5r1) Recombinant Protein | Cdk5r1 recombinant protein

Recombinant Mouse Cyclin-dependent kinase 5 activator 1 (Cdk5r1)

CATALOG # AAA113716	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Cyclin-dependent kinase 5 activator 1 (Cdk5r1); Recombinant Mouse Cyclin-dependent kinase 5 activator 1 (Cdk5r1); Cdk5r1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-307aa; Full Length of Mature Protein
Sequence	GTVLSLSPSY RKATLFEDGA ATVGHYTAVQ NSKNAKDKNL KRHSIISVLP WKRIVAVSAK KKNSKKAQPN SSYQSNIAHL NNENLKKSLS CANLSTFAQP PPAQPPAPPA SQLSGSQTGV SSSVKKAPHP AITSAGTPKR VIVQASTSEL LRCLGEFLCR RCYRLKHLSP TDPVLWLRV DRLLLLQGWQ DQGFIPTANV VFLYMLCRDV ISSEVGSDHE LQAVLLTCLY LSYSYMGNEI SYPLKPFLVE SCKEAFWDRC LSVINLMSSK MLQINADPHY FTQVFSDLKN ESGQEDKKRL LLGLDR
Species	Mouse
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Cdk5r1 recombinant protein	This protein (p35) is a neuron-specific activator of cyclin-dependent kinase 5 (CDK5); the activation of CDK5 is required for proper development of the central nervous system. The p35 form of this protein is proteolytically cleaved by calpain, generating a p25 form. The cleavage of p35 into p25 results in relocalization of the protein from the cell periphery to nuclear and perinuclear regions. P25 deregulates CDK5 activity by prolonging its activation and changing its cellular location. The p25 form accumulates in the brain neurons of patients with Alzheimer s disease. This accumulation correlates with an increase in CDK5 kinase activity, and may lead to aberrantly phosphorylated forms of the microtubule-associated protein tau, which contributes to Alzheimer s disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6753384
NCBI GeneID	12569
NCBI Accession #	NP_034001.1
NCBI GenBank Nucleotide #	NM_009871.3
UniProt Accession #	P61809; Q62938
Molecular Weight	34,031 Da
NCBI Official Full Name	cyclin-dependent kinase 5 activator 1
NCBI Official Synonym Full Names	cyclin-dependent kinase 5, regulatory subunit 1 (p35)

NCBI Official Symbol	Cdk5r1
NCBI Official Synonym Symbols	p25; p35; Cdk5r; D11Bwg0379e
NCBI Protein Information	cyclin-dependent kinase 5 activator 1
UniProt Protein Name	Cyclin-dependent kinase 5 activator 1
UniProt Gene Name	Cdk5r1
UniProt Synonym Gene Names	Cdk5r; Nck5a; CDK5 activator 1; p35; p25; p23

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cdk5r1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113716>