



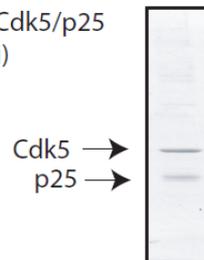
Catalog No. SDT-02-CP25

Cdk5/p25, active

Product Description The complex of human Cdk5 and C-terminal His-tagged C-terminal p25 fragment of human p35, expressed in Sf9 insect cells by baculovirus.

Specific Activity Specific Activity: > 500 U/mg, where one unit of cdk5/p25 activity is defined as 1 nmol phosphate incorporated into 0.1 mg/ml Histone H1 per minute at 35 °C with a final ATP concentration of 100 μM.

SDS-PAGE of Cdk5/p25
(CBB staining)



Volume (Concentration) 10 μg (100 μg/ml)

Formulation 10mM MOPS (pH6.8), 0.1M NaCl, 1mM MgCl₂, 0.5% Nonidet P-40, 1mM DTT, 10% glycerol, 0.4mM Pefabloc, 1 μM E64.

Storage & Stability Store below -70 °C. Stable for 1 year at -70 °C from date of shipment. Aliquot to avoid cycles of freeze/thaw. Recommended to divide into small amounts before first time using.

Reference

- 1) Saito, T., Onuki, R., Fujita, Y., Kusakawa, G., Ishiguro, K., James, A.B., kishimoto, T. and Hisanaga, S. Developmental Regulation of the Proteolysis of the p35 Cyclin-Dependent Kinase 5 Activator by Phosphorylation. J. Neurosci. 23(4): 1189-1197 (2003)
- 2) Sakaue, F., Saito, T., Sato, Y., Asada, A., Ishiguro, K., Hasegawa, M. and Hisanaga S. Phosphorylation of FTDP-17 Mutant tau by Cyclin-dependent Kinase 5 Complexed with p35, p25, or p39. J. Biol. Chem. 280(36): 31522-31529 (2005)

For research use only. Not for clinical diagnosis.



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Inspiration for Life Science

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