Recombinant Human CDK20 protein, GST-tagged

Cat. No. CDK20-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length recombinant mouse CDK20 (CCRK) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
Description	CDK20 or cyclin-dependent kinase 20 contains a kinase domain most closely related to the cyclin-dependent protein kinases which may activate cyclin-dependent kinase 2 and is involved in cell growth. CDK20 is a monomeric CAK that specifically phosphorylates CDK2 thr160 and functions as a CDK2-activating kinase. CDK20 is also a novel cyclin-dependent kinase-activating kinase in mammalian cells. CDK20 depletion inhibits glioblastoma cell proliferation in a cilium-dependent manner.
Form	50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~64 kDa
Purity	>80%
Applications	Western Blot
Stability	1 year at -70 centigrade from date of shipment

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Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 ug/uL

GENE INFORMATION

Gene Name	CDK20 cyclin-dependent kinase 20 [Homo sapiens]
Official Symbol	CDK20
Synonyms	CDK20; cyclin-dependent kinase 20; CCRK, cell cycle related kinase; p42; CAK-kinase p42; CDK-activating kinase p42; cell cycle-related kinase; cell division protein kinase 20; cyclin-dependent protein kinase H; cyclin-kinase-activating kinase p42; P42; CCRK; CDCH; PNQALRE;
Gene ID	23552
mRNA Refseq	NM_001039803
Protein Refseq	NP_001034892
MIM	610076
UniProt ID	Q8IZL9
Chromosome Location	9q22.1
Function	ATP binding; cyclin-dependent protein kinase activity; nucleotide binding;

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