

Recombinant Human CDK12 Protein, GST-tagged

Cat. No. CDK12-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CDK12 (658-end) /Cyclin K complex was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag on both proteins.
Species	Human
Source	Insect Cells
ProteinLength	658-end a.a.
Description	CDK12 forms a protein complex with cyclin K and this complex acts at the level of RNA polymerase II (RNAPII) to regulate expression of long complex genes, several of which play a role in DNA maintenance and repair. CDK12 is highly expressed in adult liver, kidney, testis, ovary, spinal cord and within specific adult brain regions with the highest expression being detected in cerebellum and caudate nucleus. CYCK-CDK12 and CYCK-CDK13 complexes show unique function with the CYCK-CDK12 playing a role in maintenance of genomic stability.
Molecular Mass	CDK12 ~135kDa and CyclinK ~67kDa
Purity	> 80%
Applications	WB
Stability	One year at -70 centigrade from data 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.
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Concentration	>0.1 µg/µL
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GENE INFORMATION

Gene Name	CDK12 cyclin dependent kinase 12 [Homo sapiens (human)]
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Official Symbol	CDK12
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Synonyms	CDK12; cyclin dependent kinase 12; CRK7; CRKR; CRKRS; cyclin-dependent kinase 12; CDC2-related protein kinase 7; Cdc2-related kinase, arginine/serine-rich; cell division cycle 2-related protein kinase 7; cell division protein kinase 12; EC 2.7.11.22; EC 2.7.11.23
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Gene ID	51755
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mRNA Refseq	NM_016507
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Protein Refseq	NP_057591
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MIM	615514
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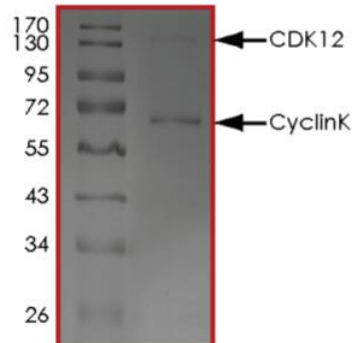
UniProt ID	Q9NYV4
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Purity



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