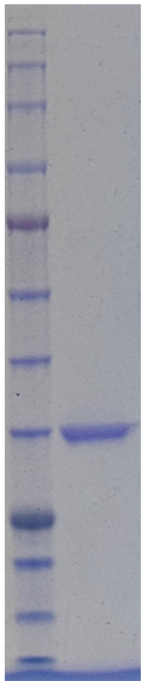
Aurora Biolabs
High Purity Protein for Research

Recombinant Human CDK2

Catalog Number: 52352-FL

Product Name	Recombinant Human CDK2
Synonym(s)	Cyclin-dependent kinase 2, A630093N05Rik, CDKN2, p33(CDK2), cyclin dependent kinase 2
Quantity	10 µg, 50 µg, 100 µg
Uniprot #	P24941, a.a. 1-298
Species	*Homo sapiens*
Molecular weight	34 kDa
Purity	>98% by SDS-PAGE
Tag	N/A
Expression Source	*E. coli*
Application(s)	Activity assays, Binding assays, ELISA, Immunoaffinity Purification, Inhibitor screening, Protein Array, Protein Crystallography, Western Blot.
Formulation	50 mM HEPES pH 7.5, 150 mM NaCl, 10 mM $MgCl_2$, 2 mM DTT, 2 mM EDTA
Storage and Stability	Stable for at least 6 months at -80°C. Stable for 1 month at 4°C. Avoid freeze/thaw cycles.
Description	Cyclin-dependent kinase 2, also known as cell division protein kinase 2, or Cdk2, is a member of the cyclin-dependent kinase family of Ser/Thr protein kinases. It is the catalytic subunit of the cyclin-dependent kinase complex, whose activity is restricted to the G1-S phase of the cell cycle, where cells make proteins necessary for mitosis and replicate their DNA. This protein associates with and is regulated by the regulatory subunits of the complex including cyclin E or A. Cyclin E binds G1 phase Cdk2, which is required for the transition from G1 to S phase while binding with Cyclin A is required to progress through the S phase.
Instructions for Use	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage.

SDS-PAGE gel



Related products:

Catalog #	Product Name	Size
C352E1	GST-CDK2: His-CyclinE1	10 µg, 100 µg
C352A2	GST-CDK2: His-CyclinA2	10 µg, 100 µg
756981BK	PKMYT1 Binding Assay Kit	384 reactions
759331BK	WEE1 Binding Assay Kit	384 reactions
5756981-FL	Recombinant Human Full Length PKMYT1	10 µg, 50 µg

5756981-CDD	Recombinant Human PKMYT1, catalytic domain – dephosphorylated	10 µg, 50 µg, 100 µg, 1 mg
5756981-CDP	Recombinant Human PKMYT1, catalytic domain – phosphorylated	10 µg, 50 µg, 100 µg, 1 mg
190001	TEV Protease-His	1,000 Units, 10,000 Units
190002	PreScission Protease (HRV 3C)	1,000 units, 10,000 units
190003	Recombinant SUMO Protease (Ulp1)	1,000 units, 10,000 units
190005	TEV Protease-AB	5 µg, 200 µg, 1 mg
200100	Recombinant YopH	10 µg, 20 µg, 100 µg, 1 mg
90101	Recombinant Biotin Protein Ligase (BirA)	100 µg
90201	Recombinant SortaseA-5M	50 µg
777627	Recombinant T7 RNA Polymerase	5,000. 25,000.100,000 Units
11-0001	Recombinant Mouse Leukemia Inhibitory Factor	10 µg, 100 µg, 1 mg
12-0002	Recombinant Human LIF	10 µg, 100 µg, 1 mg
12-0003	Recombinant Human EGF	20 µg, 100 µg, 1 mg
12-0004	Recombinant Human FGF-Acidic	50 µg, 100 µg, 1 mg
12-0005	Recombinant Human FGF-basic	50 µg, 100 µg, 500 µg, 1 mg
12-0008	Recombinant Human VEGF165	10 µg, 100 µg
12-0009	Recombinant Human MNK2	10 µg, 100 µg
12-0010	His-tagged Human eIF4E	50 µg, 100 µg
12-0014	Recombinant Human Sonic Hedgehog (SHH)	5 µg, 25 µg, 100 µg, 500 µg
7657643	DNA Polymerase Theta-N-Helicase Domain	20 µg, 100 µg
7657283	DNA Polymerase Theta-C terminal Domain	20 µg, 100 µg, 1 mg
5727-4121G	Kras Wild Type (WT), GST-tag	50 µg, 100 µg
5727-WTG-G	Kras WT, GST-tag, GDP Loaded	50 µg, 100 µg
5727-WTG-GP	Kras WT, GST-tag, GppNHp loaded	50 µg, 100 µg
5727-4122G	Kras G12C, GST-tag	50 µg, 100 µg
5727-4122G -G	Kras G12C, GST-tag, GDP Loaded	50 µg, 100 µg
5727-4122G -GP	Kras G12C, GST-tag, GppNHp loaded	50 µg, 100 µg
5727-4123G	Kras G12D, GST-tag	50 µg, 100 µg
5727-4123G -G	Kras G12D, GST-tag, GDP Loaded	50 µg, 100 µg
5727-4123G -GP	Kras G12D, GST-tag, GppNHp loaded	50 µg, 100 µg
728201	Recombinant SARS-CoV-2 Mpro, 3CL protease	50 µg, 500 µg
7671	Human SOS1, No Tag	50 µg, 100 µg
7237231	Human RBD-RAF1, N-His tag, C-FLAG tag	50 µg, 100 µg
225201	Recombinant Human BCL2	100 µg
56781	Full-Length Human MST1	10 µg, 50 µg, 100 µg, 500 µg
180001	Recombinant Human Malic enzyme 1 (ME1)	10 µg, 25 µg, 100 µg, 1 mg
180002	Recombinant Human Malic enzyme 2 (ME2)	10 µg, 25 µg, 100 µg, 1 mg
180003	Recombinant Human Malic enzyme 3 (ME3)	10 µg, 25 µg, 100 µg, 1 mg

Products are for research use only and are not intended for human use. We do not sell to patients.