

Product Name	Recombinant Human CDK2/Cyclin A2 complex	<p>SDS-PAGE gel</p>														
Synonym(s)	Cyclin-dependent kinase 2, cyclin A															
Quantity	10 µg, 100 µg															
Lot Number	B10121															
Concentration	0.5 mg/ml															
Molecular weight	60.7 kDa (CDK2); 52.5 kDa (Cyclin A2)															
Purity	>90% by SDS-PAGE															
Tag	N-GST (CDK2); N-6x-His (Cyclin A2)															
Expression Source	Sf9 insect cells															
GenBank Accession #	NM_001798.5, a. a. 1-298 (CDK2) NM_001237.5, a. a. 1-432 (Cyclin A2)															
Application	Inhibitor screening, kinase assays															
Formulation	50 mM TrisCl pH 7.5, 150 mM NaCl, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 10 mM Glutathione, 25% Glycerol															
Storage and Stability	Stable for 12 months at -80°C, Avoid freeze/thaw cycles	1 – MW Marker 2 – CDK2/Cyclin A2														
Description	A member of the CMGC class of serine/threonine protein kinases, acting in cell cycle progression. Cyclin A2 stimulates CDK2 kinase activity upon complex formation.	<p>CDK2/Cyclin A2 Activity</p> <table border="1"> <caption>CDK2/Cyclin A2 Activity Data</caption> <thead> <tr> <th>CDK2/Cyclin A2 (ng)</th> <th>Luminescent Intensity (RLU)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>25</td><td>~500</td></tr> <tr><td>50</td><td>~1200</td></tr> <tr><td>75</td><td>~2200</td></tr> <tr><td>150</td><td>~3500</td></tr> <tr><td>300</td><td>~4500</td></tr> </tbody> </table>	CDK2/Cyclin A2 (ng)	Luminescent Intensity (RLU)	0	0	25	~500	50	~1200	75	~2200	150	~3500	300	~4500
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Reference	Pagano, M., et al., EMBO J. 1992;11(3):961-71. Brown NR., et al., Cell Cycle. 2007 Jun 1,6(11):1350-9.															

This product is for research use only and not for diagnostic or therapeutic use.