

Product Name	Recombinant Human CDK2/Cyclin E1 complex	<p>SDS-PAGE gel</p> <p>kDa 1 2</p> <p>235 170 130 93 70 53 41 30 22 18 14 9</p> <p>CDK2 Cyclin E1</p> <p>1 – MW Marker 2 – CDK2/Cyclin E1</p>														
Synonym(s)	Cyclin-dependent kinase 2, p33															
Quantity	10 µg, 100 µg															
Lot Number	B10527															
Concentration	0.5 mg/ml															
Molecular weight	60.7 kDa (CDK2); 50.8 kDa (Cyclin E1)															
Purity	>95% by SDS-PAGE															
Tag	N-GST (CDK2); N-6x-His (Cyclin E1)															
Expression Source	Sf9 insect cells															
GenBank Accession #	NM_001798.5, a. a. 1-298 (CDK2) NM_001238.4, a. a. 1-410 (Cyclin E1)															
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															
Description	<p>A member of the CMGC class of serine/threonine protein kinases, acting in cell cycle progression. Cyclin E1 stimulates CDK2 kinase activity upon complex formation.</p>	<p>CDK2/Cyclin E1 Activity</p> <table border="1"> <caption>CDK2/Cyclin E1 Activity Data</caption> <thead> <tr> <th>CDK2/Cyclin E1 [ng]</th> <th>Luminescence Intensity (RFU)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>2</td><td>5000</td></tr> <tr><td>5</td><td>15000</td></tr> <tr><td>10</td><td>22000</td></tr> <tr><td>20</td><td>26000</td></tr> <tr><td>40</td><td>32000</td></tr> </tbody> </table>	CDK2/Cyclin E1 [ng]	Luminescence Intensity (RFU)	0	0	2	5000	5	15000	10	22000	20	26000	40	32000
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Reference	Ohtsubo, M., et al., Mol Cell Biol. 1995;15(5):2612-2624. Harbour, J.W., et al., Cell. 1999;98(6):859-869.															

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