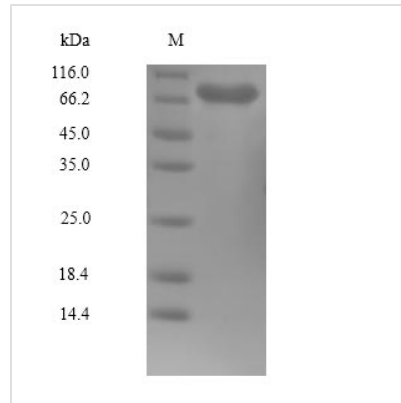




# Recombinant Human Serine/threonine-protein kinase PLK1 (PLK1)

<b>Product Code</b>	CSB-BP018193HU
<b>Relevance</b>	Activated by phosphorylation of Thr-210 by AURKA; phosphorylation by AURKA is enhanced by BORA. Once activated, activity is stimulated by binding target proteins. Binding of target proteins has no effect on the non-activated kinase. Several inhibitors targeting PLKs are currently in development and are under investigation in a growing number of clinical trials, such as BI 2536, an ATP-competitive PLK1 inhibitor or BI 6727, a dihydropteridinone that specifically inhibits the catalytic activity of PLK1.
<b>Abbreviation</b>	Recombinant Human PLK1 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P53350
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MSAAVTAGKLARAPADPGKAGVPGVAAPGAPAAAPPAKEIPEVLVDPRSRRR YVRGRFLGKGGFAKCFEISDADTKEVFAGKIVPKSLLLKPHQREKMSMEISIHR SLAHQHVVGFFHGFFEDNDFVVFVLELCRRRSLELHKRRKALTEPEARYYLRQ IVLGCQYLHRNRVIHRDLKLGNLFLNEDLEVKIGDFGLATKVEYDGERKKTLCG TPNYIAPEVLSKKGHSFEVDVWSIGCIMYLLVGKPPFETSCLKETYLRICKNEY SIPKHINPVAASLIQKMLQTDPTARPTINELLNDEFFTSGYIPARLPITCLTIPPRF SIAPSSLDPSNRKPLTVLNKLENPLPERPREKEEPVVRETGEVVDCHLSDML QQLHSVNASKPSERGLVRQEEAEDPACIPIFWVSKWVDYSDKYGLGYQLCDN SVGVLFNDSTRILLYNDGDSLQYIERDGTESYLTVSSHPNSLMKKITLLKYFRNY MSEHLLKAGANITPREGDELARLPYLRTWFRTRSAILHLSNGSVQINFFQDHT KLILCPLMAAVTYIDEKRDFRTYRLSLLEEYGCCKELASRLRYARTMVDKLLSS RSASNRLKAS
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	Baculovirus
<b>Target Names</b>	PLK1
<b>Expression Region</b>	1-603aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-tagged
<b>Mol. Weight</b>	70.7kDa

**Protein Length****Full Length Protein****Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Shelf Life**

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