

## Product datasheet

# Recombinant human PLK2 protein ab42602

### Overview

<b>Product name</b>	Recombinant human PLK2 protein
<b>Protein length</b>	Full length protein

### Description

<b>Nature</b>	Recombinant
<b>Source</b>	Baculovirus infected Sf9 cells

### Amino Acid Sequence

<b>Species</b>	Human
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<b>Sequence</b>	<p>MELLRTITYQ PAASTKMCEQ ALGKGC GADS          KKKRPPQPPE ESQPPQSQAQ VPPAAPHHHH          HSHSGPEIS RIVDPTTGK RYCRGKVLGK          GGFAKCYEMT DLTNNKVYAA KIIPHSRVAK          PHQREKIDKE IELHRILHHK HVVQFYHYFE DKENMILLE          YCSRRSMAHI LKARKVLTEP EVRYL RQIV          SGLKYLHEQE ILHRDLKLG N FINEAMELK          VGDFGLAARL EPLEHRRRTI CGTPNYLSPE          VLNKQGHGCE SDIWALGCV M YTMLLGRPPF          ETTNLKETYR CIREARYTMP SLLAPAKHL          IASMLSKNPE DRPSLDDIIR H DFFLQGF TP          DRLSSSCCHT VPDFHLSSPA KNFFK KAAAA          LFGGKKDKAR YIDTHNRVSK EDEDYKLRH          DLKKT SITQQ PSKHRTDEEL QPPTTTVARS          GTPAVENKQQ IGDAIRMIVR GTLGSCSSSS          ECLEDSTMGS VADTVARVLR GCLENMPEAD          CIPKEQLSTS FQWVTKWVDY SNKYGFGYQL          SDHTVGVLFN NGAHMSLLPD KKT VHYAEL          GQCSVFPATD APEQFISQVT VLKYF SHYME          ENLMDGGDLP SVTDIRRPRL YLLQWLKSDK          ALMMLFNDGT FQVNFYHDHT KIIICSQNEE          YLLTYINEDR ISTTFRLTTL LMSGCSSELK          NRMEYALNML LQRCN</p>
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<b>Amino acids</b>	1 to 685
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### Specifications

Our [Abpromise guarantee](#) covers the use of **ab42602** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Biological activity</b>	100 U/mg. One unit is defined as the amount of enzyme that will phosphorylate 1 nmol of casein substrate per minute at pH 7.4 and 30C. Assay buffer: 50 mM HEPES, pH 7.4, 3 mM MgCl <sub>2</sub> , 3 mM MnCl <sub>2</sub> , 1 mM DTT, 3 uM Na-orthovanadate, 0.1 mM ATP.
<b>Applications</b>	Inhibition Assay
<b>Form</b>	Liquid
<b>Additional notes</b>	Expressed in a Baculovirus infected Sf9 cell expression system.

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## Preparation and Storage

<b>Stability and Storage</b>	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.  pH: 8.00 Constituents: 0.0462% DTT, 0.395% Tris HCl, 0.05% Tween, 50% Glycerol, 0.58% Sodium chloride  This product is an active protein and may elicit a biological response in vivo, handle with caution.
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## General Info

<b>Function</b>	May play a role in the division of at least some cell types, such as fibroblasts, and could function in embryogenesis, wound healing or neoplasia.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. CDC5/Polo subfamily. Contains 2 POLO box domains. Contains 1 protein kinase domain.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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