

Recombinant Human Cyclin Y protein (Tagged)

ab174060

1 Image

Description

Product name	Recombinant Human Cyclin Y protein (Tagged)		
Purity	> 80 % Densitometry. Affinity purified.		
Expression system	Baculovirus infected Sf9 cells		
Accession	<u>Q8ND76</u>		
Protein length	Full length protein		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	GNTTSCCVSSSPKLRRNAHSRLESYRPDSDLSDREDTGCL LQHISDRENID DLNMEFNPSDHPRASTIFLSKSQTDVREKRKSLFINHHPP GQIARKYSSC STIFLDDSTVSQPNLKYTIKCVALAIYHIKNRDPDGRMLLDI FDENLHP LSKSEVPPDYDKHNPEQKQYRFVRTLFSAAQLTAECAMT LVYLERLLT YAEIDICPANWKRIVLGAILLASKVWDDQAVWNVDYQCILK DITVEDMNE LERQFLELLQFNINVPSSVYAKYYFDLRSLAEANNLSFPLE PLSRERAHK LEAISRLCEDKYKDLRRSARKRSASADNLTLPRWSPAIS		
Predicted molecular weight	65 kDa including tags		
Amino acids	2 to 341		
Tags	proprietary tag N-Terminus		
Additional sequence information	(NM_145012)		

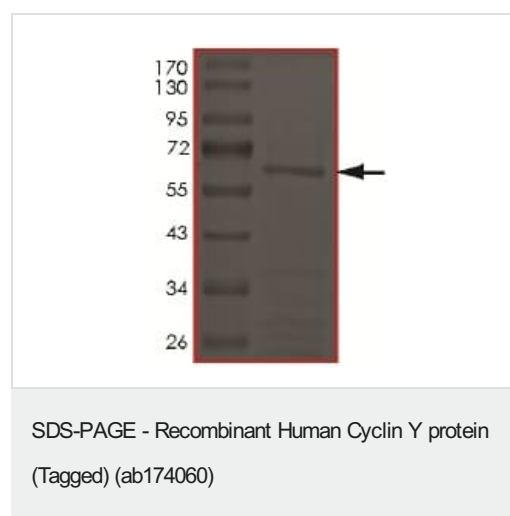
Specifications

Our **Abpromise guarantee** covers the use of **ab174060** in the following tested applications.

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

Applications	SDS-PAGE Western blot
Form	Liquid
Preparation and Storage	
Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.50 Constituents: 0.79% Tris HCl, 0.29% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine)
General Info	
Function	Positive regulatory subunit of the cyclin-dependent kinases CDK14/PFTK1 and CDK16. Acts as a cell-cycle regulator of Wnt signaling pathway during G2/M phase by recruiting CDK14/PFTK1 to the plasma membrane and promoting phosphorylation of LRP6, leading to the activation of the Wnt signaling pathway. Recruits CDK16 to the plasma membrane. Isoform 3 might play a role in the activation of MYC-mediated transcription.
Tissue specificity	Widely expressed.
Sequence similarities	Belongs to the cyclin family. Cyclin Y subfamily. Contains 1 cyclin N-terminal domain.
Developmental stage	Enriched at G2/M.
Post-translational modifications	Ubiquitinated; leading to its degradation. Heavily phosphorylated. Phosphorylation at Ser-71 and Ser-73 by CDK14 is enhanced during the G2 and M cell cycle phases, and creates a phosphodegron triggering SCF-dependent ubiquitination.
Cellular localization	Nucleus and Cell membrane.

Images



SDS-PAGE showing ab174060

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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