

Product datasheet

Recombinant human CCNO protein (Active) ab177582

[4 Images](#)

Description

Product name	Recombinant human CCNO protein (Active)	
Biological activity	The specific activity of Cdk2/ Cyclin O was determined to be 46 nmol/min/mg.	
Purity	> 90 % SDS-PAGE. Assessed by densitometry. Affinity purified.	
Expression system	Baculovirus infected Sf9 cells	
Accession	<u>P24941</u> <u>P22674</u>	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Amino Acid Sequence 1		
Species	Human	
Sequence	MENFQKVEKIGEGTYGVVYKARNKLTGEVVALKKIRLDTET EGV PSTAIR EISLLKELNHPNIVKLLDVIHTENKLYLVFEFLHQDLKKFMD ASALTGIP LPLIKSYLFQLLQGLAFCHSHRVLHRDLKPQNLLINTEGAIK LADFGLAR AFGVPVRTYTHEVVTLWYRAPEILLGCKYYSTAVDMSLGC IFAEMVTRR ALFPGDSEIDQLFRIFRTLGTPEVVWPGVTSMPDYKPSF PKWARQDFSK VVPLDEDGRSLLSQMLHYDPNKRISAKAALAHPPFFQDVT KPVPHLRL	
Predicted molecular weight	58 kDa including tags	
Amino acids	1 to 298	
Tags	proprietary tag N-Terminus	
Additional sequence information	NM_001798	
Amino Acid Sequence 2		
Species	Human	
Sequence	MVTCP TSPSSPAARAGRRDNDQNL RAPVKKSRRPRLR	

RKQPLHPLNPCP LPGDSGICDL
FESPSSGSDGAESPSAARGGSPGPAQPVAQLDLQTF
RDYGGQSCYAFRKAQESHFHPRE
ALARQPQVTAESRCKLLSWLIPVHRQ
FGLSFESLCLTVNTLDRFLTTPVAADCFQLLGV
TSLLIACKQVEVHP
PRVKQLLALCCGAFSRQQLCNLECMVHLHKLHFTLGAPTISF
FLEHF TH
ARVEAGQAEASEALEAQALARGVAELSLADYAFTSYS
LLAICCLALAD RMLRVSRP
VDLRLGDHPEAALEDCEMGLQLLVAINSTSLTHMLPVQIC
EKCSLPPSSK

Predicted molecular weight 68 kDa including tags
Amino acids 1 to 350
Tags proprietary tag N-Terminus
Additional sequence information NM_021147

Specifications

Our **Abpromise guarantee** covers the use of **ab177582** in the following tested applications.

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

Applications Functional Studies
SDS-PAGE
Western blot

Form Liquid

Additional notes **ab89813** (Histone H1 protein) can be utilized as a substrate for assessing kinase activity

Preparation and Storage

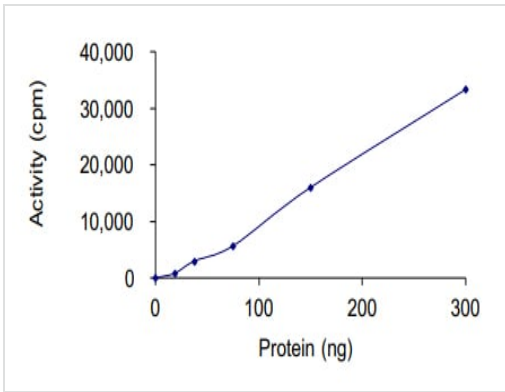
Stability and Storage Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.
pH: 7.50
Constituents: 0.79% Tris-HCl buffer, 0.88% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine)
This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Sequence similarities Belongs to the cyclin family.

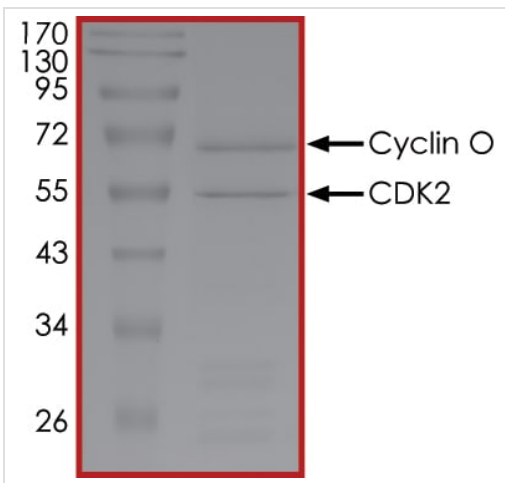
Developmental stage Maximum levels during G(1) phase. Levels decrease through S and G(2) phases.

Images



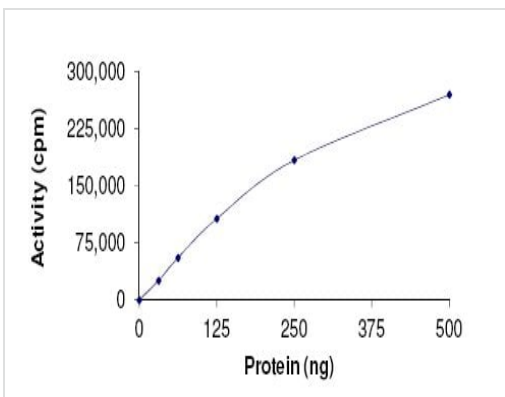
The specific activity of CCNO (ab177582) was determined to be 43.8 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human CCNO protein (Active) (ab177582)



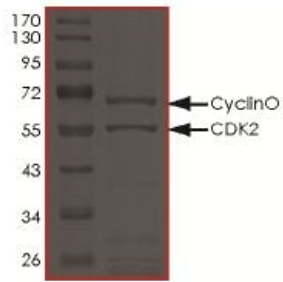
SDS PAGE analysis of ab177582

SDS-PAGE - Recombinant human CCNO protein (Active) (ab177582)



The specific activity of Cdk2/ Cyclin O was determined to be 46 nmol/min/mg.

Functional Studies - Recombinant human CCNO protein (Active) (ab177582)



SDS-PAGE - Recombinant human CCNO protein
(Active) (ab177582)

SDS-PAGE analysis of **ab177852** which was determined to be >90% pure by densitometry. Cdk2 is approximately 58 kDa and Cyclin O is approximately 68 kDa.

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

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