

Product datasheet

Recombinant human CCNO protein (Active) ab177582

[5 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.	
Expression system	Baculovirus infected Sf9 cells	
Accession	P24941 P22674	
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 VVPPLDEDGRSLLSQMLHYDPNKRISAKAALAHPPFFQDVT 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	MVTPCPTSPSSPAARAGR RDNDQNLRAPVKKSRRPRLR	

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

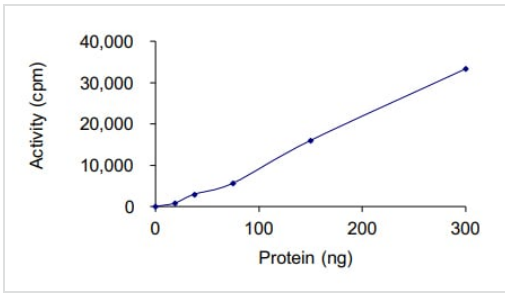
Preparation and Storage

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.
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General Info

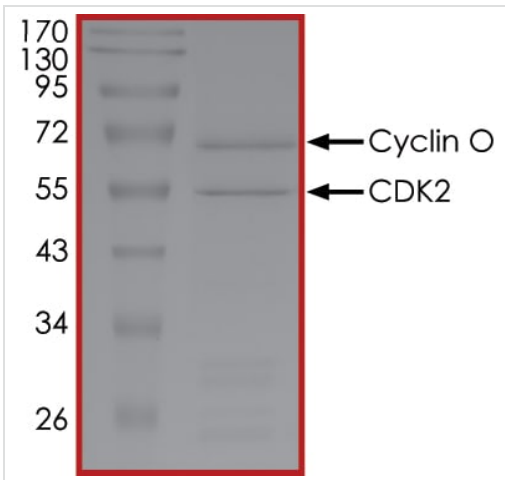
Sequence similarities	Belongs to the cyclin family.
Developmental stage	Maximum levels during G(1) phase. Levels decrease through S and G(2) phases.

Images



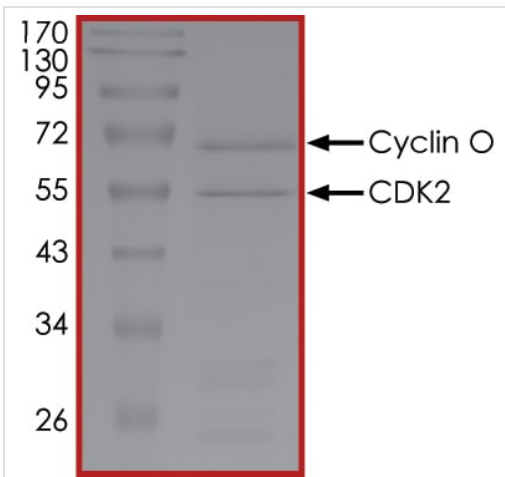
The specific activity of CCNO (ab177582) was determined to be 43.8 nmol/min/mg as per activity assay protocol

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



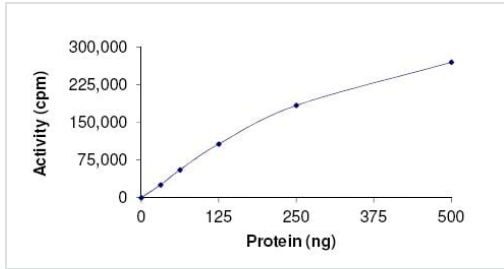
SDS PAGE analysis of ab177582

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



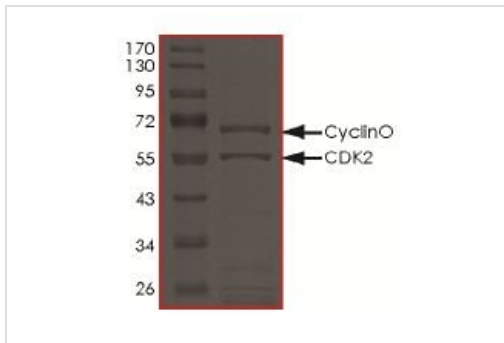
SDS PAGE analysis of ab177582

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



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

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



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.

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