

Datasheet for ABIN7553438

KIAA1524 Protein (KIAA1524) (AA 1-905) (His tag)



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Overview

Quantity:	1 mg
Target:	KIAA1524
Protein Characteristics:	AA 1-905
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIAA1524 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinant CIP2A Protein expressed in mammalian cells.
Sequence:	<p>MDSTACKSL LLTVSQYKAV KSEANATQLL RHLEVISGQK LTRLFTSNQI LTSECLSLCV ELLEDPNISA SLILSIIGLL SQLAVDIETR DCLQNTYNLN SVLAGVVCRS SHTDSVFLQC IQLLQKLTYN VKIFYSGANI DELITFLIDH IQSSEDELM PCLGLLANLC RHNLSVQTHI KTLSNVKSFY RTLITLLAHS SLTVVVFALS ILSSLTLNEE VGEKLFHARN IHQTFQLIFN ILINGDGTLT RKYSVDLLMD LLKNPKIADY LTRYEHFSSC LHQVLGLLNG KDPDSSSKVL ELLLAFCSVT QLRHMLTQMM FEQSPPGSAT LGSHTKCLEP TVALLRWLSQ PLDGSSENCVS LALFLKEIF EDVIDAANCS SADRFTVLLL PTILDQLQFT EQNLDEALTR KKGERIAKAI EVLLTLCGDD TLKMHIKIL TTVKCTTLIE QQFTYGGKIDL GFGTKVADSE LCKLAADVIL KTLDLINKLK PLVPGMEVSF YKILQDPRLI TPLAFALTSD NREQVQSGLR ILLEAAPLPD FPALVLGESI AANNAYRQQE TEHIPRKMPW QSSNHSFPTS IKCLTPHLKD GVPGLNIEEL IEKLQSGMVV KDQICDVRIS DIMDVYEMKL STLASKESRL QDLLETKALA LAQADRLIAQ</p>

Product Details

HRCQRTQAET EARTLASMLR EVERKNEELS VLLKAQQVES ERAQSDIEHL FQHNRKLESV
AEEHEILTKS YMELLQRNES TEKKNKDLQI TCDSLKNQIE TVKKLNESLK EQNEKSIAQL
IEKEEQRKEV QNQLVDREHK LANLHQKTKV QEEKIKTLQK EREDKEETID ILRKELSRTE
QIRKELSIKA SSLEVQKAQL EGRLEEKESL VKLQQEELNK HSHMIAMIHS LSGGKINPET VNLSI

Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

KIAA1524

Alternative Name:

CIP2A ([KIAA1524 Products](#))

Background:

Protein CIP2A (Cancerous inhibitor of PP2A) (p90 autoantigen),FUNCTION: Acts as an inhibitor of protein phosphatase PP2A (PubMed:17632056). Promotes anchorage-independent cell growth and tumor formation by preventing dephosphorylation of MYC, thereby stabilizing MYC in human malignancies (PubMed:17632056). Together with TOPBP1, plays an essential role in the response to genome instability generated by the presence of acentric chromosome fragments derived from shattered chromosomes within micronuclei (PubMed:35121901,

Target Details

PubMed:35842428, PubMed:37165191, PubMed:37316668). Micronuclei, which are frequently found in cancer cells, consist of chromatin surrounded by their own nuclear membrane: following breakdown of the micronuclear envelope, a process associated with chromothripsis, the CIP2A-TOPBP1 complex tethers chromosome fragments during mitosis to ensure clustered segregation of the fragments to a single daughter cell nucleus, facilitating re-ligation with limited chromosome scattering and loss (PubMed:37165191, PubMed:37316668). {ECO:0000269|PubMed:17632056, ECO:0000269|PubMed:35121901, ECO:0000269|PubMed:35842428, ECO:0000269|PubMed:37165191, ECO:0000269|PubMed:37316668}.

Molecular Weight: 102.2 kDa

UniProt: [Q8TCG1](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months