

Datasheet for ABIN7551358 RIOK2 Protein (AA 1-552) (His tag)



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Overview

Quantity:	1 mg
Target:	RIOK2
Protein Characteristics:	AA 1-552
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RIOK2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat RIOK2 Protein expressed in mammalian cells.
Sequence:	<p>MGKVNVAKL R YMSRDDFRVL TAVEMGMKNH EIVPGSLIAS IASLKHGGCN KVLRELVKHK</p> <p>LIAWERTKT V QGYRLTNAGY DYLA LKTLSS RQVVESVGNQ MGVGKESDIY IVANEEGQQF</p> <p>ALKLHRLGR T SFRNLKNKRD YHKHRHNVS W LYLSRLSAMK EFAYMKALYE RKFPVPKPID</p> <p>YNRHAVVMEL INGYPLCQIH HVEDPASVYD EAMELIVKLA NHGLIHGDFN EFNILDES D</p> <p>HITMIDFPQM VSTSHPN AEW YFDRDVKCIK DFFMKRFSYE SELFPTFKDI RREDTLDVEV</p> <p>SASGYTKEMQ ADDELLHPLG PDDKNIETKE GSEFSFSDGE VAEKAEVYGS ENESERNCL E</p> <p>ESEGCYCRSS GDPEQIKEDS LSEESADARS FEMTEFNQAL EEIKGQVVEN NSVTEFSEEK</p> <p>NRTENYNRQD GQRVQGGVPA GSDEYEDECP HLIALLSLNR EFRPFRDEEN VGAMNQYRTR</p> <p>TL SITSSGSA VSCSTIPPEL VKQKVKRQLT KQKSAVRRR LQKG EANI FT KQRRENMQNI</p> <p>KSSLEAASFW GE Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</p>

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:

RIOK2

Alternative Name:

RIOK2 ([RIOK2 Products](#))

Background:

Serine/threonine-protein kinase RIO2 (EC 2.7.11.1) (RIO kinase 2),FUNCTION: Serine/threonine-protein kinase involved in the final steps of cytoplasmic maturation of the 40S ribosomal subunit. Involved in export of the 40S pre-ribosome particles (pre-40S) from the nucleus to the cytoplasm. Its kinase activity is required for the release of NOB1, PNO1 and LTV1 from the late pre-40S and the processing of 18S-E pre-rRNA to the mature 18S rRNA (PubMed:19564402). Regulates the timing of the metaphase-anaphase transition during mitotic progression, and its phosphorylation, most likely by PLK1, regulates this function (PubMed:21880710). {ECO:0000269|PubMed:16037817, ECO:0000269|PubMed:19564402, ECO:0000269|PubMed:21880710}.

Molecular Weight:

63.3 kDa

UniProt:

[Q9BVS4](#)

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.
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Restrictions:	For Research Use only
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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