

Datasheet for ABIN7554370

PHKA1 Protein (AA 1-1223) (His tag)



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Overview

Quantity:	1 mg
Target:	PHKA1
Protein Characteristics:	AA 1-1223
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHKA1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PHKA1 Protein expressed in mammalian cells.
Sequence:	MRSRSNSGVR LDGYARLVQQ TILCHQNPVT GLLPASVDQK DAWVRDNVYS ILAVWGLGLA YRKNADRDED KAKAYELEQS VVKLMRGLLH CMIRQVDKVE SFKYSQSTKD SLHAKYNTKT CATVVGDDQW GHLQLDATSV YLLFLAQMTA SGLHHISLD EVNFIQNLVF YIEAAYKTAD FGIWERGDKT NQGISELNAS SVGMAKAALE ALDELDLFGV KGGPQSVIHV LADEVQHCQS ILNSLLPRAS TSKEVDASLL SVVSFPAFAV EDSQLVELTK QEITKLQGR YGCCRFRLDG YKTPKEDPNR LYYEPAELKL FENIECEWPL FWTYFILDGV FSGNAEQVQE YKEALEAVLI KGKNGVPLLP ELYSVPPDRV DEEYQNPHTV DRVPMGKLP MWGQSLYILG SLMAEGFLAP GEIDPLNRRF STVPKPDVVV QVSILAETEE IKTILKDKGI YVETIAEVYP IRVQPARILS HIYSSLGCNN RMKLSGRPYR HMGVLGTSKL YDIRKTIFTF TPQFIDQQF YLALDNKMIV EMLRTDLSYL CSRWRMTGQP TITFPISHSM LDEDGTSLSN SILAALRKMQ DGYFGGARVQ TGKLSEFLT SCCTHLSFMD PGPEGKLYSE DYDDNYDYLE SGNWMNDYDS TSHARCGDEV ARYLDHLLAH

TAPHPKLAPT SQKGGLDRFQ AAVQTTCDLM SLVTKAKELH VQNVHMYLPT KLFQASRPSF
NLLDSPHPRQ ENQVPSVRVE IHLPRDQSGE VDFKALVLQL KETSSLQEQA DILYMLYTMK
GPDWNTLYN ERSATVRELL TELYGKVGEI RHWGLIRYIS GILRKKVEAL DEACTDLLSH
QKHLTVGLPP EPREKTISAP LPYEALTQLI DEASEGDMSI SILTQEIMVY LAMYMRTQPG
LFAEMFRLRI GLIIQVMATE LAHSLRCSAE EATEGLMNLS PSAMKNLLHH ILSGKEFGVE
RSVRPTDSNV SPAISIHEIG AVGATKTERT GIMQLKSEIK QVEFRRLSIS AESQSPGTSM
TPSSGSFPSA YDQSSKDSR QGQWQRRRRL DGALNRVPVG FYQVWKVLQ KCHGLSVEGF
VLPSSTTREM TPGEIKFSVH VESVLNRVPQ PEYRQLLVEA ILVLTMLADI EIHSIGSIIA VEKIVHIAND
LFLQEQKTLG ADDTMLAKDP ASGICTLLYD SAPSGRFGTM TYLSKAAATY VQEFLPHSIC AMQ

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:

PHKA1

Alternative Name:

PHKA1 ([PHKA1 Products](#))

Background:

Phosphorylase b kinase regulatory subunit alpha, skeletal muscle isoform (Phosphorylase

Target Details

	kinase alpha M subunit),FUNCTION: Phosphorylase b kinase catalyzes the phosphorylation of serine in certain substrates, including troponin I. The alpha chain may bind calmodulin.
Molecular Weight:	137.3 kDa
UniProt:	P46020
Pathways:	Cellular Glucan Metabolic Process

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