

Datasheet for ABIN7564571

PARG1 Protein (AA 1-1266) (His tag)



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Overview

Quantity:	1 mg
Target:	PARG1 (ARHGAP29)
Protein Characteristics:	AA 1-1266
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PARG1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Arhgap29 Protein expressed in mammalian cells.
Sequence:	<p>MIAHKQKKAK KKRWWASGQP SAAITSEMGL KSVSSSSSF DPEYIKELVN DVRKFHMLL</p> <p>YLKEAILSDC FKEVIHRLD ELLRVLSIL SKHQNLSSVD LQSAAEVLTA KVKAVNFTFV</p> <p>NEENKNDIFR EVFSSITLA FTFGNILTNF LMGDVGSDSI LRLPISRESK SFENISVDSV</p> <p>DLPHEKGNFS PIELDNLLK NTDSIELALS YAKTWSKYTK NIVSWVEKKL NLELESTRNI</p> <p>VKLAEATRSS IGIQEFMPLQ SLFTNALLSD IHSSHLLQQT IAALQANKFV QPLLGRKNEM</p> <p>EKQRKEIKDL WKQQQNKLE TETALKKAKL LCMQRQDEYE KAKSSMFRAE EEQLSSSVGL</p> <p>AKNLNKQLEK RRRLEEEALQ KVEEANEHYK VCVTNVEERR NDLENTKREI LTQLRTLQVQ</p> <p>CDLTLKAVTV NLFHMQQLQA ASLANSLQSL CDSAKLYDPG QEYSEFVKAT SSSELEEKVD</p> <p>GNVKNQMTNS PQTSGYEPAD SLEDVARLPD SCHKLEEDRC SNSADMTGPS FVRSWKFGMF</p> <p>SDSESTGGSS ESRSLDESI SPGDFHRKLP RTPSSGTMS ADDLDEREPP SPSEAGPNLS</p> <p>GAFKKTLSK AALTHKFRKL RSPTKCRDCD GIVMFPGVEC EECLLVCHRK CLENLVIICG</p>

HQKLQGKMHI FGAEFIQVAK KEPDGIPFVL KICASEIENR ALCLQGIYRV CGNLIKTEKL
CQALENGMHL VDISEFSSHD ICDVLKLYLR QLPEPFILFR LYKEFIDLAK EIQHVNEEQE
AKKDSPEDKK HPHVSIEVNR ILLKSKDLLR QLPASHFNSL HYLIAHLRRV VDHAENKMN
SKNLGVIFGP TLIRPRPTTA PVTISSLAEY SNQARLVEFL ITYSQKIFDG SLQPQAVVIS
NTGAVAPQVD QGYLPKPLLS PDERDTDHSM KPLFFSSKED IRSSDCESKS FELTTSFEES
ERRQNALGKC DAPLLDNKVH LLFDQEHESA SQKMEDVCKS PKLLLLKSNR AANSVQRHTP
RTKMRPVSLP VDRLLLLASS PTERSSRDVG NVDSKDFGKN PAFEGLHRKD NSNTRSKVN
GFDQQNVQKS WDTQYVRNNF TAKTTMIVPS AYPEKGLTVN TGNNRDHPGS KAHAEPARAA
GDVSERRSSD SCPATAVRAP RTLQPQHWTT FYKPPNPTFS VRGTEEK TAL PSIAVPPVLV
HAPQIHVTKS DPDSEATLAC PVQTSQGPKS SSEEPALPEG TPTCQRPRLK RMQQFEDLED
EIPQFV **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	PARG1 (ARHGAP29)
Alternative Name:	Arhgap29 (ARHGAP29 Products)

Target Details

Background:	Rho GTPase-activating protein 29 (Rho-type GTPase-activating protein 29),FUNCTION: GTPase activator for the Rho-type GTPases by converting them to an inactive GDP-bound state. Has strong activity toward RHOA, and weaker activity toward RAC1 and CDC42. May act as a specific effector of RAP2A to regulate Rho (By similarity). In concert with RASIP1, suppresses RhoA signaling and dampens ROCK and MYH9 activities in endothelial cells and plays an essential role in blood vessel tubulogenesis. {ECO:0000250, ECO:0000269 PubMed:21396893}.
Molecular Weight:	142.3 kDa
UniProt:	Q8CGF1

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