

Datasheet for ABIN7555213

PARG1 Protein (AA 1-1261) (His tag)



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Overview

Quantity:	1 mg
Target:	PARG1 (ARHGAP29)
Protein Characteristics:	AA 1-1261
Origin:	Human
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:	MIAHKQKGTK KKRAWASGQL STDITTSEMG LKSLSSNSIF DPDIKELVN DIRKFSHMLL YLKEAIFSDC FKEVIHIRE ELLRVLKSIM NKHQNLNSVD LQNAAEMTLA KVKAVNFTEV NEENKNDLFQ EVFSSIETLA FTFGNILTNF LMGDVGNDL LRLPVSRETK SFENVSVESV DSSSEKGNFS PLELDNVLLK NTDSIELALS YAKTWSKYTK NIVSWVEKKL NLELESTRNM VKLAEATRTN IGIQEFMPLQ SLFTNALLND IESSHLLQQT IAALQANKFV QPLLGRKNEM EKQRKEIKEL WKQEQNKMLE AENALKKAKL LCMQRQDEYE KAKSSMFRAE EEHLSSSGGL AKNLNKQLEK KRRLEEEALQ KVEEANELYK VCVTNVEERR NDLENTKREI LAQLRTL VFQ CDLTLKAVTV NLFHMQHLQA ASLADSLQSL CDSAKLYDPG QEYSEFVKAT NSTEEKVDG NVKNHLNSSQ PSGFGPANSL EDVVRLPDSS NKIEEDRCSN SADITGPSFI RSWTFGMFSD SESTGGSSSES RSLDSESISP GDFHRKLPRT PSSGTMSAD DLDEREPPSP SETGPNLSGT FKKTLMSKAA LTHKFRKLRS PTKCRDCEGI VVFQGVCEEE CLLVCHRKCL ENLVIICGHQ

KLPGKIHFLG AEFTQVAKKE PDGIPFILKI CASEIENRAL CLQGIYRVCG NKIKTEKLCQ
ALENGMHLVD ISEFSSHDIC DVLKLYLRQL PEPFILFRLY KEFIDLAKEI QHVNEEQETK
KNSLEDKKWP NMCIEINRIL LKSKDLLRQL PASNFNSLHF LIVHLKRVVD HAEENKMNSK
NLGVIFGPSL IRPRPTTAPI TISSLAEYSN QARLVEFLIT YSQKIFDGSL QPQDVMCSIG
VVDQGCFFPKP LLSPEERDIE RSMKSLFFSS KEDIHTSESE SKIFERATSF EESERKQNAL
GKCDACLSDK AQLLLDQEA SASQKIEDGK TPKPLSLKSD RSTNNVERHT PRTKIRPVSL
PVDRLLLASP PNERNRNMGM NVNLDKFCKN PAFEGVNRKD AATTVCSEKFN GFDQQTLOKI
QDKQYEQNSL TAKTTMIMPS ALQEKGVTTLS LQISGDHSIN ATQPSKPYAE PVRSVREASE
RRSSDSYPLA PVRAPRTLQP QHWTTFYKPH APIISIRGNE EKPASPSAAV PPGTDHDPHG
LVVKSMPPDP KASACPGQAT GQPKEDSEEL GLPDVNPMCQ RPRLKRMQQF EDLEGEIPQF V

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.
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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 (PTPL1-associated RhoGAP protein 1) (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. 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:0000269|PubMed:15752761, ECO:0000269|PubMed:9305890}.

Molecular Weight: 142.1 kDa

UniProt: [Q52LW3](#)

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