

Datasheet for ABIN7552232

ARAP1 Protein (AA 1-1450) (His tag)



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Overview

Quantity:	1 mg
Target:	ARAP1
Protein Characteristics:	AA 1-1450
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARAP1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ARAP1 Protein expressed in mammalian cells.
Sequence:	MAEAGDAALS VAEWLRLHL EQYTGLFEQH GLVWATECQG LSDTRLMDMG MLLPGHRRRI LAGLLRAHTS PAPAPRPTPR PVPMKRHIFR SPPVPATPPE PLPTTTEDEG LPAAPPPIPR RSCLPPTCFT TPSTAAPDPV LPPLPAKRHL AELSVPPVPP RTGPPRLLVS LPTKEEESLL PSLSSPPQPQ SEEPLSTLPQ GPPQPPSPPP CPPEIPPKPV RLFPEFDDSD YDEVPEEGPG APARVMTKKE EPPPSRVPR VVRVALLSEG EELSGDDQGD EEEDDHAYEG VPNGGWHTSS LSLSLPSTIA AHPMDGPPG GSTPVTPIK AGWLDKNPPQ GSYIYQKRWW RLDTDHLRYF DSNKDAYSKR FISVACISHV AAIGDQKFEV ITNNRTFAFR AESDVERKEW MQALQQAMAE QRARARLSSA YLLGVPGSEQ PDRAGSLELR GFKNKLYVAV VGDKVQLYKN LEEYHLGIGI TFIDMSVGNV KEVDRRSFDL TTPYRIFSFS ADSELEKEQW LEAMQGAIAE ALSTSEVAER IWAAAPNRF ADCGAPQPDW ASINLCVIC KRCAGEHRGL GAGVSKVRS KMDRKVWTET LIELFLQLGN GAGNRFWAAN VPPSEALQPS SSPSTRRCHL EAKYREGKYR RYHPLFGNQE ELDKALCAAV TTTDLAETQA LLGCGAGINC FSGDPEAPTP LALAEQAGQT LQMEFLRNNR

TTEVPRLD SM KPLEKHYSVV LPTVSHSGFL YKTASAGKLL QDRRAREEFS RRWCVLGDGV
LSYFENERAV TPNGEIRASE IVCLAVPPPD THGFEHTFEV YTEGERLYLF GLESAEQAHE
WVKCIAKAFV PPLAEDLLAR DFERLGRLPY KAGLSLQRAQ EGWFSLSGSE LRAVFPPEGPC
EEPLQLRK LQ ELSIQG DSEN QVLVLVERRR TLYIQGERRL DFMGWLGA IQ KAAASMGDTL
SEQQLGSDI PVIVYRCVDY ITQCGLTSEG IYRKCQT SK TQRLLESLRQ DARSVHLKEG
EQHVDDVSSA LKRFLRDLPD GLFTRAQRLT WLEASEIEDE EEKVSRYREL LVRLPPVNRA
TVKALISHLY CVQCFSDTNQ MNVHNLAIVF GPTLFQTDGQ DYKAGRVVED LINHYVVVFS
VDEEELRKQR EEITAIVKMR VAGTASGTQH AGDFICTVYL EEKKAETEQH IKVPASMTAE
ELTLEILDRR NVGIREKDYW TCFEVNEREE AERPLHFAEK VLPILHGLGT DSHLVVKKHQ
AMEAMLLYLA SRVGDTKHGM MKFREDRSLG GLGLPSGGFH DRYFILNSSC LRLYKEVRSQ
RPWSGAPETS HRPEKEWPIK SLKVYLG VKK KLRPPTCWGF TVVHETEKHE KQQWYLCCDT
QMELREWFAT FLVQHDGLV WPSEPSRVSR AVPEVRLGSV SLIPLRGSN EMRRSVAAFT
ADPLSLLRNV **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.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ARAP1
Alternative Name:	ARAP1 (ARAP1 Products)
Background:	Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1 (Centaurin-delta-2) (Cnt-d2),FUNCTION: Phosphatidylinositol 3,4,5-trisphosphate-dependent GTPase-activating protein that modulates actin cytoskeleton remodeling by regulating ARF and RHO family members. Is activated by phosphatidylinositol 3,4,5-trisphosphate (PtdIns(3,4,5)P3) binding. Can be activated by phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4,5)P2) binding, albeit with lower efficiency. Has a preference for ARF1 and ARF5 (By similarity). {ECO:0000250, ECO:0000269 PubMed:11804590}.
Molecular Weight:	162.2 kDa
UniProt:	Q96P48

Application Details

Application Notes:	We expect the protein to work for functional studies. 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