

Datasheet for ABIN7553220
CD2AP Protein (AA 1-639) (His tag)



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Overview

Quantity:	1 mg
Target:	CD2AP (Cd2ap)
Protein Characteristics:	AA 1-639
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD2AP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CD2AP Protein expressed in mammalian cells.
Sequence:	<p>MVDYIVEYDY DAVHDELTI RVGEIIRNVK KLQEEGWLEG ELNGRRGMFP DNFVKEIKRE</p> <p>TEFKDDSLPI KRERHGNVAS LVQRISTYGL PAGGIQPHPQ TKNIKKKTKK RQCKVLFEYI</p> <p>PQNEDELELK VGDIIDINEE VEEGWWSGTL NNKLGLFPSN FVKELEVTDG GETHEAQDDS</p> <p>ETVLAGPTSP IPSLGNVSET ASGSVTQPKK IRGIGFGDIF KEGSVKLRTT TSSSETEEEK</p> <p>PEKPLILQSL GPKTQSVEIT KTDTEGKIK KEYCRTLFAY EGTNEDELTF KEGEIIHLIS</p> <p>KETGEAGWWR GELNGKEGVF PDNFAVQINE LDKDFPKPKK PPPAKAPAP KPELIAAEKK</p> <p>YFSLKPEEKD EKSTLEQKPS KPAAPQVPPK KPTPPTKASN LLRSSGTVYP KRPEKPVPPP</p> <p>PPIAKINGEV SSISKFETE PVSKLKLDSE QLPLRPKSVD FDSLTVRTSK ETDVNVFDDI</p> <p>ASSENLLHLT ANRPKMPGRR LPGRFNGGHS PTHSPEKILK LPKEEDSANL KPSELKKDTC</p> <p>YSPKPSVYLS TPSSASKANT TAFLTPLEIK AKVETDDVKK NSLDELRAQI IELLCIVEAL</p> <p>KKDHGKELEK LRKDLLEEEK MRSNLEMEIE KLKKAVALSS Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p>

Product Details

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:	<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>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CD2AP (Cd2ap)
Alternative Name:	CD2AP (Cd2ap Products)
Background:	<p>CD2-associated protein (Adapter protein CMS) (Cas ligand with multiple SH3 domains),FUNCTION: Seems to act as an adapter protein between membrane proteins and the actin cytoskeleton (PubMed:10339567). In collaboration with CBLC, modulates the rate of RET turnover and may act as regulatory checkpoint that limits the potency of GDNF on neuronal survival. Controls CBLC function, converting it from an inhibitor to a promoter of RET degradation (By similarity). May play a role in receptor clustering and cytoskeletal polarity in the junction between T-cell and antigen-presenting cell (By similarity). May anchor the podocyte slit diaphragm to the actin cytoskeleton in renal glomerulus. Also required for cytokinesis (PubMed:15800069). Plays a role in epithelial cell junctions formation (PubMed:22891260).</p>

Target Details

{ECO:0000250|UniProtKB:F1LRS8, ECO:0000250|UniProtKB:Q9JLQ0,
ECO:0000269|PubMed:10339567, ECO:0000269|PubMed:15800069,
ECO:0000269|PubMed:22891260}.

Molecular Weight: 71.5 kDa

UniProt: [Q9Y5K6](#)

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