

Datasheet for ABIN7565118
CD2AP Protein (AA 1-637) (His tag)



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Overview

Quantity:	1 mg
Target:	CD2AP (Cd2ap)
Protein Characteristics:	AA 1-637
Origin:	Mouse
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 TEPKDDNLPI KRERQGNVAS LVQRISTYGL PAGGIQPHPQ TKAIKKTKK RQCKVLFDDYS PQNEDELELI VGDVIDVIEE VEEGWWSGTL NNKLGLFPSN FVKELESTED GETHNAQEEES EVPLTGPTSP LPSPGNGSEP APGSVAQPKK IRGIGFGDIF KEGSVKLRTR TSSSETEEEK TEKPLILQPL GSRTQNVEVT KPDVDGKIKI KEYCRTLPFY TGTNEDELTF REGEIHLIS KETGEAGWWK GELNGKEGVF PDNFAVQISE LDKDFPKPKK PPPPAKGPAP KPDLSAAEKK AFPLKAAEKD EKSLLQKPS KPAAPQVPPK KPTAPTKASN LLRSPGAVYP KRPEKPVPPP PPAAKINGEV SISSKIDTE PVSKPKLDPE QLPVRPKSVD LDAFVARNSK ETDDVNFDDI ASSENLLHLT ANRPKMPGRR LPGRFNGGHS PTQSPEKTLK LPKEDDSGNL KPLEFKKDDAS YSSKSSLSTP SSASKVNTAA FLTPLELKAK AEADDGKRNS VDELRAQIIE LLCIVDALKK DHGKELEKLR KELEEEKAMR SNLEVEIAKL KKAVALLS</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity</p>

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: CD2AP (Cd2ap)

Alternative Name: Cd2ap ([Cd2ap Products](#))

Background: CD2-associated protein (Mesenchyme-to-epithelium transition protein with SH3 domains 1) (METS-1),FUNCTION: Seems to act as an adapter protein between membrane proteins and the actin cytoskeleton (By similarity). 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 (PubMed:9741631). May anchor the podocyte slit diaphragm to the actin cytoskeleton in renal glomerulus (PubMed:10514378). Also required for cytokinesis. Plays a role in epithelial cell junctions formation (By similarity).

Target Details

	{ECO:0000250 UniProtKB:F1LRS8, ECO:0000250 UniProtKB:Q9Y5K6, ECO:0000269 PubMed:10514378, ECO:0000269 PubMed:9741631}.
Molecular Weight:	70.5 kDa
UniProt:	Q9JLQ0

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