



Recombinant Human CD2-associated protein (CD2AP)

Product Code	CSB-MP004914HU
Abbreviation	CD2AP
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9Y5K6
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MVDYIVEYDY DAVHDELTI RVGEIIRNVK KLQEEGWLEG ELNGRRGMFP DNFVKEIKRE TEFKDDSLPI KRERHGNVAS LVQRISTYGL PAGGIQPHPQ TKNIKKTKK RQCKVLFEYI PQNEDELELK VGDIIDINEE VEEGWWSGTL NNKLGLFPSN FVKELEVTDG GETHEAQDDS ETVLAGPTSP IPSLGNVSET ASGSVTQPKK IRGIGFGDIF KEGSVKLRTR TSSSETEEKK PEKPLILQSL GPKTQSVEIT KTDTEGKIKI KEYCRTLFAY EGTNEDELTF KEGEIIHLIS KETGEAGWWR GELNGKEGVF PDNFAVQINE LDKDFPKPKK PPPPAKAPAP KPELIAAEKK YFSLKPEEKD EKSTLEQKPS KPAAPQVPPK KPTPPTKASN LLRSSGTVYP KRPEKPVPPP PPIAKINGEV SSISSKFETE PVSKLKLDS QLPLRPKSVD FDSLTVRTSK ETDVVNFDDI ASSENLLHLT ANRPKMPGRR LPGRFNGGHS PTHSPEKILK LPKEEDSANL KPSELKKDTC YSPKPSVYLS TPSSASKANT TAFLTPLEIK AKVETDDVKK NSLDELRAQI IELLCIVEAL KKDHGKELEK LRKDLLEEEKT MRSNLEMEIE KLKKAVALSS
Source	Mammalian cell
Target Names	CD2AP
Protein Names	Recommended name: CD2-associated protein Alternative name(s): Adapter protein CMS Cas ligand with multiple SH3 domains
Expression Region	1-639
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes a scaffolding molecule that regulates the actin cytoskeleton. The protein directly interacts with filamentous actin and a variety of cell membrane proteins through multiple actin binding sites, SH3 domains, and a proline-rich region containing binding sites for SH3 domains. The cytoplasmic protein localizes to membrane ruffles, lipid rafts, and the leading edges of cells.



It is implicated in dynamic actin remodeling and membrane trafficking that occurs during receptor endocytosis and cytokinesis. Haploinsufficiency of this gene is implicated in susceptibility to glomerular disease.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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