

Product datasheet for PH310191

CD2AP (NM_012120) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CD2AP MS Standard C13 and N15-labeled recombinant protein (NP_036252)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210191
Predicted MW:	71.3 kDa
Protein Sequence:	>RC210191 representing NM_012120 Red =Cloning site Green =Tags(s)

MVDYIVEYDYDAVHDEL TIRVGEIIRNVKKLQEEGWLEGELNGRRGMFPDNFVKEIKRETEFKDDSLPI
 KRERHGNVASLVQRISTYGLPAGGIQPHPQTKNIKKTKKRQCKVLFEYIPQNEDELELKVGDIIIDINEE
 VEEGWWSGTLNKLGLFPSNFVKELEVTDGGETHEAQDDSETVLGPTSPIPSLGNVSETASGSVTQPKK
 IRGIGFGDIFKEGSVKLRTRTSSETEKKPEKPLILQSLGPKTQSVEITKTDTEGKIKAKKEYCRTL FAY
 EGTNEDELTFKEGEIIHLISKETGEAGWWRGELNGKEGVFPDNFAVQINELDKDFPKPKPPPAKAPAP
 KPELIAAEKKYFSLKPEEKDEKSTLEQKPSKPAAPQVPPKKPTPPTKASNLLRSSGTVPYKRPKEKPVPPP
 PPIAKINGEVSSISSKFETEPVSKLKLDSQLPLRPKSVDFDSLTVRTSKETDVVNFDDIASENLLHLT
 ANRPKMPGRRPLGRFNGGHSPTHSPEKILKLPKEEDSANLKPSELKKDTCYSPKPSVYLSTPSSASKANT
 TAFLTPLEIKAKVETDDVKNSLDELRAQIIELLCIVEALKKDHGKELEKLRKDL EEKTMRSNLEMEIE
 KLKKAVLSS

TRTRPLEEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_036252
RefSeq Size:	5425


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RefSeq ORF: 1917

Synonyms: CMS

Locus ID: 23607

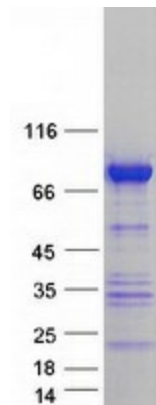
UniProt ID: [Q9Y5K6](#)

Cytogenetics: 6p12.3

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified CD2AP protein (Cat# [TP310191]). The protein was produced from HEK293T cells transfected with CD2AP cDNA clone (Cat# [RC210191]) using MegaTran 2.0 (Cat# [TT210002]).