

Recombinant Human CD2AP Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. CD2AP-176H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD2AP MS Standard C13 and N15-labeled recombinant protein (NP_036252) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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]
Molecular Mass	71.3 kDa
AA Sequence	MVDYIVEYDYDAVHDEL TIRVGEIIRNVKKLQEEGWLEGELNGRRGMFPDNFVKEI KRETEFKDDSLPIKRERHGNVASLVQRISTYGLPAGGIQPHPQTKNIKKTKKRQCK VLFEYIPQNEDELELKVGDIIDINEEVEEGWWSGTLNNKLGLFPSNFVKELEVTDGGE THEAQDDSETVLAGPTSPIPSLGNVSETASGSVTQPKKIRGIGFGDIFKEGSVKLRTR TSSSETEKKPEKPLILQSLGPKTQSVEITKTDTEGKIKAKEYCRTL FAYEGTNEDELT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FKEGEIIHLISKETGEAGWWRGELNGKEGVFPDNFAVQINELDKDFPKPKKPPPPAK
 APAPKPELIAAEKKYFSLKPEEKDEKSTLEQKPSKPAAPQVPPKKPTPTKASNLLRS
 SGTVYPKRPEKPVPPPPPIAKINGEVSSISSKFETEPVSKLKL DSEQ LPLRPKSVDFD
 SLTVRTSKETDVVNFD DIASSENLLHLTANRPKMPGRRLPGRFNGGHSPHSPH
 KLPKEEDSANLKPSELKKDTCYSPKPSVYLSTPSSASKANTTAFLTPLEIKAKVETDD
 VKKNSLDELRAQIIELLCIVEALKKD HGKELEKLRKDLEEEKTMRSNLEMEIEKLKKAV
 LSSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CD2AP CD2 associated protein [Homo sapiens (human)]

Official Symbol CD2AP

Synonyms CD2AP; CD2 associated protein; CMS; CD2-associated protein; Cas ligand with multiple Src homology 3 (SH3) domains; adapter protein CMS; cas ligand with multiple SH3 domains

Gene ID 23607

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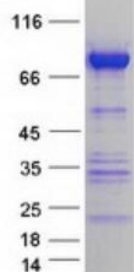
mRNA Refseq [NM_012120](#)

Protein Refseq [NP_036252](#)

MIM [604241](#)

UniProt ID [Q9Y5K6](#)

SDS-PAGE



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