

Recombinant Human CD2AP Protein, His-tagged

Cat. No. CD2AP-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD2 associated protein(CD2AP)(NM_012120), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
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.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.159, without any preservatives.
Molecular Mass	71.3 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION

Gene Name CD2AP CD2-associated protein [Homo sapiens]

Official Symbol CD2AP

Synonyms

CD2AP; CD2-associated protein; CMS; adapter protein CMS; cas ligand with multiple SH3 domains; Cas ligand with multiple Src homology 3 (SH3) domains; DKFZp586H0519;

Gene ID 23607

mRNA Refseq NM_012120

Protein Refseq NP_036252

MIM 604241

UniProt ID Q9Y5K6

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