

Recombinant Human CD2AP protein, His & T7-tagged

Cat. No. CD2AP-1826H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD2AP aa. (Thr149~Glu429 (Accession # Q9Y5K6)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr149~Glu429
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	Freeze-dried powder
Molecular Mass	44kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

 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

Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	7.8
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
mRNA Refseq	NM_012120.2

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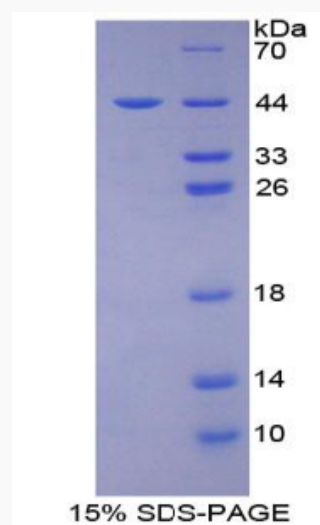
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Protein Refseq NP_036252.1

UniProt ID Q9Y5K6

SDS-PAGE



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