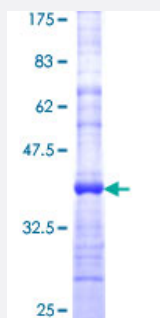


CADPS (Human) Recombinant Protein (Q01)

Catalog # H00008618-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CADPS partial ORF (NP_003707, 1256 a.a. - 1353 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RLFDQWYNSSMNVICTWLTDRLMDLQLHIYQLKTLIRMVKKTYRDFRLQGVLDSLNSKTYETIRNRL TVEEATASVSEGGGLQGISMKDSDEEDEEDD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CADPS

Entrez GeneID [8618](#)

GeneBank Accession# [NM_003716](#)

Protein Accession# [NP_003707](#)

Gene Name CADPS

Gene Alias CADPS1, CAPS, CAPS1, KIAA1121

Gene Description Ca⁺⁺-dependent secretion activator

Omim ID [604667](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a novel neural/endocrine-specific cytosolic and peripheral membrane protein required for the Ca²⁺-regulated exocytosis of secretory vesicles. The protein acts at a stage in exocytosis that follows ATP-dependent priming, which involves the essential synthesis of phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P₂). Alternative splicing has been observed at this locus and three variants, encoding distinct isoforms, are described. [provided by RefSeq]

Other Designations Ca²⁺-dependent activator protein for secretion|Ca²⁺-dependent secretion activator|Ca²⁺-regulated cytoskeletal protein

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Tobacco Use Disorder](#)