# Recombinant Human CADPS, GST-tagged

**Cat. No.** CADPS-10654H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human CADPS protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | C-term-222a.a. |
| **Description** | 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. |
| **Storage** | The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles. |
| **Storage Buffer** | 1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100,15%glycerol. |

## GENE INFORMATION

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| **Gene Name** | CADPS Ca++-dependent secretion activator [ Homo sapiens ] |

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| **Official Symbol** | CADPS |
| **Synonyms** | Ca++-dependent secretion activator; CADPS1; CAPS; Ca2+-dependent activator protein for secretion; CAPS1; Ca2+-dependent secretion activator; KIAA1121; Ca2+-regulated cytoskeletal protein; Calcium-dependent activator protein for secretion 1; calcium-dependent secretion activator 1; CAPS-1 |
| **Gene ID** | 8618 |
| **mRNA Refseq** | NM_183394.2 |
| **Protein Refseq** | NP_899631.1 |
| **MIM** | 604667 |
| **UniProt ID** | Q9ULU8 |
| **Chromosome Location** | 3p14.2 |
| **Function** | calcium ion binding;phospholipid binding;protein binding |

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