# Recombinant Human CDC2L6, GST-tagged

**Cat. No.** CDC2L6-11004H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human CDC2L6 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 1-335a.a. |
| **Description** | This gene encodes a divergent member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene localizes to late endosomes and lysosomes via a tyrosine-based motif in the cytoplasmic tail. |
| **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. |

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## GENE INFORMATION

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| **Gene Name** | CDK19 cyclin-dependent kinase 19 [ Homo sapiens ] |
| **Official Symbol** | CDK19 |
| **Synonyms** | CDK19; cyclin-dependent kinase 19; CDC2L6, CDK11, cell division cycle 2 like 6 (CDK8 like) , cyclin dependent kinase (CDC2 like) 11; bA346C16.3; KIAA1028; death-preventing kinase; cyclin-dependent kinase 11; CDC2-related protein kinase 6; cell division protein kinase 19; CDK8-like cyclin-dependent kinase; cyclin-dependent kinase (CDC2-like) 11; cell division cycle 2-like 6 (CDK8-like); cell division cycle 2-like protein kinase 6; CDK11; CDC2L6; |
| **Gene ID** | 23097 |
| **mRNA Refseq** | NM_015076 |
| **Protein Refseq** | NP_055891 |
| **UniProt ID** | Q9BWU1 |
| **Chromosome Location** | 6q21 |
| **Pathway** | Developmental Biology, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPARA Activates Gene Expression, organism-specific biosystem; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha), organism-specific biosystem; Transcriptional Regulation of White Adipocyte Differentiation, organism-specific biosystem; |

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| **Function** | ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein serine/threonine kinase activity; transferase activity, transferring phosphorus-containing groups; |

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