

# Recombinant Human CDK2AP2, GST-tagged

**Cat. No.** CDK2AP2-11048H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CDK2AP2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-126a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## GENE INFORMATION

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | CDK2AP2 cyclin-dependent kinase 2 associated protein 2 [ Homo sapiens ]                                                                                                                                                                                                                                                    |
| <b>Official Symbol</b>     | CDK2AP2                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>            | CDK2AP2; cyclin-dependent kinase 2 associated protein 2; CDK2 associated protein 2; cyclin-dependent kinase 2-associated protein 2; DOC 1R; p14; tumor suppressor deleted in oral cancer related 1; DOC-1-related protein; CDK2-associated protein 2; tumor suppressor deleted in oral cancer-related 1; DOC-1R; FLJ10636; |
| <b>Gene ID</b>             | 10263                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>         | NM_005851                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>      | NP_005842                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>          | O75956                                                                                                                                                                                                                                                                                                                     |
| <b>Chromosome Location</b> | 11q13                                                                                                                                                                                                                                                                                                                      |

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