

## Recombinant Human CDK4 Protein, GST-tagged, FITC conjugated

**Cat. No.** CDK4-758HF    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | FITC conjugated recombinant human CDK4 (NP_000066.1) (Met 1-Glu 303), fused with the GST tag at the N-terminus, was produced in Baculovirus-Insect cells.                                      |
| <b>Species</b>          | Human                                                                                                                                                                                          |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 528                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | The recombinant human CDK4/GST chimera consists of 528 amino acids and predicts a molecular mass of 60 kDa. It migrates as an approximately 55 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                   |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with FITC via amines<br>Excitation source: 488 nm spectral line, argon-ion laser<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 535 nm         |
| <b>Stability</b>        | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                                 |

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|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.       |
| <b>Storage Buffer</b> | Lyophilized from sterile 50 mM Tris, 100 mM NaCl, 10% gly, 0.5 mM PMSF, pH 8.0                                                                                            |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | FITC                                                                                                                                                                      |

## GENE INFORMATION

|                        |                                                 |
|------------------------|-------------------------------------------------|
| <b>Gene Name</b>       | CDK4 cyclin-dependent kinase 4 [ Homo sapiens ] |
| <b>Official Symbol</b> | CDK4                                            |
| <b>Gene ID</b>         | 1019                                            |
| <b>mRNA Refseq</b>     | NM_000075                                       |
| <b>Protein Refseq</b>  | NP_000066                                       |
| <b>MIM</b>             | 123829                                          |
| <b>UniProt ID</b>      | P11802                                          |

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