

# Recombinant Full Length Human CDK13 Protein, GST-tagged

**Cat. No.** CDK13-3756HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | Human CDC2L5 full-length ORF ( AAH01274, 1 a.a. - 324 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 324 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | The protein encoded by this gene is a member of the cyclin-dependent serine/threonine protein kinase family. Members of this family are well known for their essential roles as master switches in cell cycle control. The exact function of this protein has not yet been determined, but it may play a role in mRNA processing and may be involved in regulation of hematopoiesis. Alternatively spliced transcript variants have been described.[provided by RefSeq, Dec 2009] |
| <b>Molecular Mass</b>   | 61.38 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MLPEDKEADSLRGNISVKAVKKEVEKKLRCLLADLPLPPELPGGDDLKSKSPEEKKTA<br>TQLHSKRPRPKICGPYGETKEKDIDWGRKCVDFDIIGIIGEGTYGQVYKARDKDTG<br>EMVALKKVRLDNEKEGFPITAIKILRQLTHQSIINMKEIVTDKEDALDFKKDKGAFY<br>LVFEYMDHDLMLGLLESGLVHFNENHIKSFMRQLMEGLDYCHKKNFLHRDIKCSNILL<br>NNRGQIKLADFGLARLYSSEESRPYTNKVITLWYRPPPELLLGEERYTPAIDVWSCGCI<br>LGELFTKKPIFQANQELAQLELIRHEENEVSDKQI                                                                                                                           |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                              |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                       |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                       |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                |
| <b>Gene Name</b>        | CDK13 cyclin dependent kinase 13 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b>  | CDK13                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>         | CDC2L5; CDK13; cyclin dependent kinase 13; CHED; CDC2L; CDC2L5; hCDK13;<br>CHDFIDD; cyclin-dependent kinase 13; CDC2-related protein kinase 5; cell division<br>cycle 2-like protein kinase 5; cell division protein kinase 13; cholinesterase-related cell<br>division controller; EC 2.7.11.22; EC 2.7.11.23 |
| <b>Gene ID</b>          | 8621                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>      | NM_003718                                                                                                                                                                                                                                                                                                      |
| <b>Protein Refseq</b>   | NP_003709                                                                                                                                                                                                                                                                                                      |
| <b>MIM</b>              | 603309                                                                                                                                                                                                                                                                                                         |
| <b>UniProt ID</b>       | Q14004                                                                                                                                                                                                                                                                                                         |

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