

## Recombinant Human CTD1 Protein, GST-tagged

**Cat. No.** CTD1-2059H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CTD1 partial ORF ( AAH63447.1, 332 a.a. - 431 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | This gene encodes a protein which interacts with the carboxy-terminus of the RAP74 subunit of transcription initiation factor TFIIF, and functions as a phosphatase that processively dephosphorylates the C-terminus of POLR2A (a subunit of RNA polymerase II), making it available for initiation of gene expression. Mutations in this gene are associated with congenital cataracts, facial dysmorphism and neuropathy syndrome (CCFDN). Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011] |
| <b>Molecular Mass</b>   | 36.74 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | PPGSRESQTRKKVNHSRGTEVSEPSPPVRDPEGVTQAPGVEPSNGLEKPARELNG<br>SEAATPRDSPRPGKPDERDIWPPAQAPTSSQELAGAPEPQGSCAQ                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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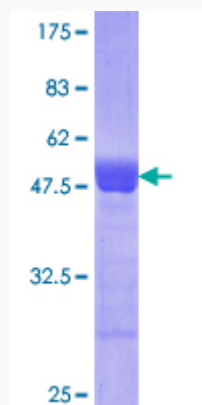
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>        | CTDP1 CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1 [ Homo sapiens ]                                                                                                                                                                                                                           |
| <b>Official Symbol</b>  | CTDP1                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>         | CTDP1; CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1; RNA polymerase II subunit A C-terminal domain phosphatase; FCP1; serine phosphatase FCP1a; TFIIF-associating CTD phosphatase 1; CTD of POLR2A, phosphatase of, subunit 1; transcription factor IIF-associating CTD phosphatase 1; CCFDN; |
| <b>Gene ID</b>          | 9150                                                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>      | NM_001202504                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>   | NP_001189433                                                                                                                                                                                                                                                                                                                            |
| <b>MIM</b>              | 604927                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>       | Q9Y5B0                                                                                                                                                                                                                                                                                                                                  |

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**Quality Control****Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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