

# Recombinant Full Length Human CTF1 Protein, GST-tagged

**Cat. No.** CTF1-2276HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CTF1 full-length ORF (NP_001321.1, 1 a.a. - 201 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>    | 201 amino acids                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | The protein encoded by this gene is a secreted cytokine that induces cardiac myocyte hypertrophy in vitro. It has been shown to bind and activate the ILST/gp130 receptor. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008] |
| <b>Molecular Mass</b>   | 47.6 kDa                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MSRREGSLEDPQTDSSVSLLPHLEAKIRQTHSLAHLTKYAEQLLQEYVQLQGDPFG<br>LPSFSPRLPVAGLSAPAPSHAGLPVHERLRLDAAALAALPPLLDVCCRQAELNPR<br>APRLRRLEDAARQARALGAAVEALLAALGAANRGPRAEPPAATASAASATGVFPA<br>KVLGLRVCGLYREWLSRTEGDLGQLLPGGSA                                                                            |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                            |

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|------------------|--------------------------------------------------------------------------|
| Notes            | Best use within three months from the date of receipt of this protein.   |
| Storage          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| Storage Buffer   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| GENE INFORMATION |                                                                          |
| Gene Name        | CTF1 cardiotrophin 1 [ Homo sapiens ]                                    |
| Official Symbol  | CTF1                                                                     |
| Synonyms         | CTF1; cardiotrophin 1; cardiotrophin-1; CT 1; CT1; cardiophin 1; CT-1    |
| Gene ID          | 1489                                                                     |
| mRNA Refseq      | NM_001142544                                                             |
| Protein Refseq   | NP_001136016                                                             |
| MIM              | 600435                                                                   |
| UniProt ID       | Q16619                                                                   |

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