

Active Recombinant Human CTF1 protein

Cat. No. CTF1-122H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CTF1 was expressed in E. coli.
Species	Human
Source	E.coli
Form	1.0 mg/ml, sterile-filtered, in PBS Buffer, no any carrier protein.
Bio-activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 0.25 – 0.85 ng/ml.
AA Sequence	SRREGSLEDPQTDSSVSLPHLEAKIRQTHSLAHLTKYAEQLLQEYVQLQGDPFGL PSFSPRLPVAGLSAPAP SHAGLPVHERLRLDAAALAALPPLLDVAVCRRQAELNPR APRLLRRLEDAARQARALGAAVEALLAALGAANRGPR AEPPAATASAASATGVFPA KVLGLRVCGLYREWLSRTEGDLGQLLPGGSA
Endotoxin	< 1EU per 1 ug of protein by the LAL method
Purity	>95% by SDS-PAGE and visualized by silver stain.
Applications	1. Active recombinant protein, may be used for its functional assay.2. As immunogen for specific antibody production.
Storage	Keep at -80°C for long term storage. Product is stable at 4 °C for at least 30 days.

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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

Chromosome Location 16p11.2

Pathway Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem;

Function cytokine activity; leukemia inhibitory factor receptor binding;

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