

Bioactive

CTF1 (Human) Recombinant Protein

Catalog # P8518

Size 2 x 10 ug

Specification

Product Description	Human CTF1 (Q16619) recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MSRREGSLEDPQTDSSVSLLPHLEAKIRQTHSLAHLTKYAEQLLQEYVQLQGDPFGLPSFSPPR LPVAGLSAPAPSHAGLPVHERLRDAAAALPPLDAVCRRQAELNPAPRLLRRLEDAARQA RALGAAVEALLAALGAANRGPPRAEPPAATASAASATGVFPAKVLGLRVCGLYREWLSRTEGDLG QLLPGGSA.
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	21.2
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% by HPLC and SDS PAGE
Activity	The ED ₅₀ as determined by a cell proliferation assay using human TF-1 cells is less than 1.0 ng/mL, corresponding to a specific activity of < 1.0 10 ⁶ IU/mg.
Storage Buffer	CTF-1 protein was lyophilized from a 0.2um filtered concentrated solution in 30% Acetonitrile and 0.1 % TFA.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CTF1

Entrez GeneID [1489](#)

Protein Accession# [Q16619](#)

Gene Name CTF1

Gene Alias CT-1, CT1

Gene Description cardiotrophin 1

Omim ID [600435](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations cardiophin 1

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)