CTF1 (Human) Recombinant Protein

Catalog # P8519 Size 2 x 10 ug

Specification

Product Description	Human CTF1 (Q16619) recombinant protein with His-tag at N-terminal expressed in *Escherichia coli*.
Sequence	MRGSHHHHHHGSSRREGSLEDPQTDSSVSLLPHLEAKIRQTHSLAHLLTKYAEQLLQEYVQLQGD PFGLPSFSPPRLPVAGLSAPAPSHAGLPVHERLRLDAAALAALPPLLDAVCRRQAELNPRAPRL LRRLEDAARQARALGAAVEALLAALGAANRGPRAEPPAATASAASATGVFPAKVLGLRVCGLYR EWLSRTEGDLGQLLPGGSA.
Host	Escherichia coli
Theoretical MW (kDa)	22.5
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 90% by SDS-PAGE
Storage Buffer	CTF1 was filtered (0.4um) and lyophilized from 0.5 mg/mL in 0.05M Acetate buffer pH-4.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — CTF1

Entrez GeneID	1489
Protein Accession#	Q16619
Gene Name	CTF1

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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 receoptor. 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

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