

# Product Datasheet

## Recombinant Human Cardiotrophin-1/CT-1 Protein NBP2-61364-1mg

Unit Size: 1mg

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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**NBP2-61364-1mg**

## Recombinant Human Cardiotoxin-1/CT-1 Protein

Product Information	
Unit Size	1mg
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in 4 mM HCl to a concentration of 0.1-1.0mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 30 % Acetonitrile and 0.1 % TFA.
Target Molecular Weight	21.2 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 201 amino acids corresponding to Cardiotoxin-1/CT-1 <b>Source:</b> <i>E. coli</i>  <b>Uniprot ID:</b> Q16619  <b>Amino Acid Sequence:</b> <i>MSRREGSLED PQTSSVSLL PHLEAKIRQT HSLAHLTKY AEQLLQEYVQ LQGDPFGLPS FSPRLPVAG LSAPAPSHAG LPVHERLRLD AAALAALPPL LDAVCRREQAE LNPRAPRLLR RLEDAARQAR ALGAAVEALL AALGAANRGP RAEPAAATAS AASATGVFPA KVLGLRVCGL YREWLSRTEG DLGQLLPGGG A</i>
Gene ID	1489
Gene Symbol	CTF1
Species	Human
Details of Functionality	Cardiotoxin-1/CT-1 protein is fully biologically active when compared to standard. The ED50 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 > 1.0x 10 <sup>6</sup> IU/mg.
Endotoxin Note	Less than 0.1 EU/ug of Cardiotoxin-1/CT-1 as determined by LAL method.

Product Application Details	
Applications	Bioactivity
Recommended Dilutions	Bioactivity



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### **Products Related to NBP2-61364-1mg**

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NBP2-35170-100ug	Recombinant Mouse Cardiotrophin-1/CT-1 Protein
M6000B-1	IL-6 [HRP]
612-CD-010	Cardiotrophin-1/CT-1
NBP2-22203	ERK1 Antibody (1E5) - BSA Free

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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