

Datasheet for ABIN935297

Cardiotrophin 1 Protein (CTF1)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	Cardiotrophin 1 (CTF1)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	SQREGSLEDH QTSSISFLP HLEAKIRQTH NLARLLTKYA EQLLEEYVQQ QGEPFGLPGF SPPRLPLAGL SGPAPSHAGL PVSERLRQDA AALSVLPALL DAVRRRQAEI NPRAPRLLRS LEDAARQVRA LGAAVETVLA ALGAAARGPG PEPVTVATLF TANSTAGIFS AKVLGFHVCG LYGEWVSRTE GDLGQLVPPG VA
Characteristics:	Purified recombinant Mouse Cardiotrophin 1 protein Expression System: E.coli Bioactivity: The ED50 as determined by the dose-dependent proliferation of TF-1 cells was 1 x 10 ⁶ units/mg.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	Cardiotrophin 1 (CTF1)
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Target Details

Alternative Name:	Cardiotrophin 1 (CTF1 Products)
Background:	<p>CT-1 is a member of the IL6 family of cytokines which also includes LIF, CNTF, OSM (Oncostatin M), IL11, IL6 and possibly NNT-1/ BCSF-3. CT-1 is a pleiotropic cytokine which is expressed in various tissues including the adult heart, skeletal muscle, ovary, colon, prostate and fetal lung and signals through the LIF receptor and the gp130 receptor subunit. CT-1 has the ability to induce cardiac myocyte hypertrophy, and enhances the survival of cardiomyocyte and different neuronal populations.</p> <p>Alternative Names: Cardiotrophin-1, Cardiotrophin 1 protein, Cardiotrophin-1 protein, CT-1 protein, Cardiotrophin-1 protein, Cardiotrophin 1, Cardiotrophin 1</p>
Molecular Weight:	21.3 kDa
Pathways:	JAK-STAT Signaling

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Supplied as a lyophilized powder.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.