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Datasheet for ABIN7318248
Cardiotrophin 1 Protein (CTF1) (His tag)

Overview

Quantity:	50 µg
Target:	Cardiotrophin 1 (CTF1)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cardiotrophin 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cardiotrophin-1/CTF1 Protein (His Tag)
Sequence:	Met 1-Ala201
Characteristics:	Recombinant Human Cardiotrophin-1 is produced by our E.coli expression system and the target gene encoding Met1-Ala201 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Cardiotrophin 1 (CTF1)
Alternative Name:	Cardiotrophin-1/CTF1 (CTF1 Products)
Background:	Background: Cardiotrophin-1, also known as CT-1 and CTF1, is a member of the IL-6 superfamily. It is a secreted cytokine that is expressed in heart, skeletal muscle, prostate and ovary, and to lower levels in lung, kidney, pancreas, thymus, testis and small intestine. The

Target Details

protein exerts its cellular effects by interacting with the glycoprotein 130 (gp130)/leukemia inhibitory factor receptor beta (LIFR) heterodimer. In addition, CT-1 activates phosphatidylinositol 3-kinase (PI-3 kinase) in cardiac myocytes and enhances transcription factor NF- κ B DNA -binding activities.

Synonym: Cardiotrophin-1, CT-1, CTF1,

Molecular Weight: 22.6 kDa

UniProt: [Q16619](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.