

Cardiotrophin-1 (CT-1) Recombinant Protein | CT-1 recombinant protein

Recombinant Human Cardiotrophin-1 (CT-1)

CATALOG #
AAA214299

HOST
E Coli

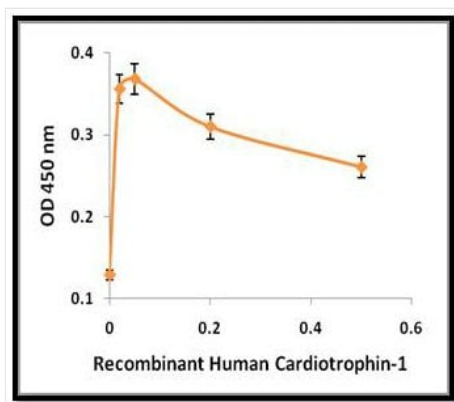
PRODUCT SYNONYMS

Cardiotrophin-1 (CT-1); Recombinant Human Cardiotrophin-1 (CT-1); Recombinant Human Cardiotrophin-1; CTF1; CT1; CT-1; CT-1 recombinant protein

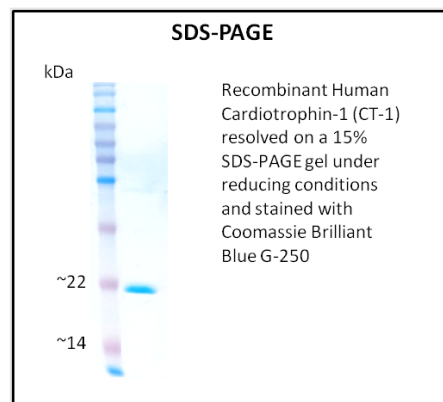
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS
Sequence Length	201
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	Reconstitute in sterile 20mM Tris, pH 8.0 at 100ug/mL (containing at least 0.1% human or bovine serum albumin). Further dilutions should be made in aqueous buffers supplemented with carrier protein, such as 0.1-1.0% BSA.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for CT-1 recombinant protein

Cardiotrophin-1 is a pleiotrophic cytokine and is a member of the IL-6 cytokine family that also includes IL6, IL11, LIF, OSM, CLC and IL31. Full length human CT-1 shares a 79% amino acid sequence identity with murine CT-1 and both lack a canonical signal sequence. Cardiotrophin-1 interacts with the leukemia inhibitory factor receptor (LIFR) heterodimer and the glycoprotein 130 subunit (gp130) and has the ability to induce cardiac myocyte hypertrophy. It is highly expressed in various skeletal muscles and cardiac tissue, as well as the colon, ovary and prostate, liver, and pancreas, while lower expression levels are found in the lungs, kidney, pancreas, testis, and small intestine.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503121
NCBI GeneID	1489
NCBI Accession #	NP_001321.1
NCBI GenBank Nucleotide #	NP_001321.1
UniProt Accession #	Q16619
Molecular Weight	21.0 kDa
NCBI Official Full Name	cardiotrophin-1 isoform 1
NCBI Official Synonym Full Names	cardiotrophin 1
NCBI Official Symbol	CTF1
NCBI Official Synonym Symbols	CT1; CT-1
NCBI Protein Information	cardiotrophin-1
UniProt Protein Name	Cardiotrophin-1
UniProt Gene Name	CTF1
UniProt Synonym Gene Names	CT-1
UniProt Entry Name	CTF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ctf1-recombinant-protein-e-coli/214299>