

Product Datasheet

Murine Cardiotrophin-1 protein (orb107700)

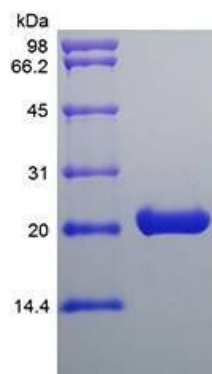
Description	Cardiotrophin1(CT1)is a member of the cytokine family which also includes IL-6, IL-11, leukemia inhibitory factor (LIF),oncostatin M (OSM), and ciliary neurotrophic factor (CNTF). CT-1 is a pleiotropic cytokine which is expressed in various tissuesincluding the adult heart, skeletal muscle, ovary, colon, prostate and fetal lung. In addition, CT-1 which induces cardiac myocytehypertrophy in vitro can bind to and activate the ILST/gp130 receptor. Murine CT1encodes a 203 amino acid (a.a.) residueprotein that lacks a hydrophobic signal peptide. Human and murine CT1share 80 % a.a. sequence identity and exhibit crossspeciesactivity.
Conjugation	Unconjugated
Tested Applications	HPLC, SDS-PAGE
Target	Cardiotrophin-1
Preservatives	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris, 300 mM NaCl, 3 mM beta -mercaptoethanol, pH 8.5
Storage	Store at 4°C for up to two weeks. For long term storage, aliquot and store at -20°C, avoid freeze/thaw cycles.
Note	For research use only
Protein Sequence	LRPGDCEVCI SYLGRFYQDL KDRDVTFSPA TIENELIKFC REARGKENRL CYYIGATDDAATKIINEVSK PLAAHHPVEK ICEKLKKKDS QICELKYDKQ IDLSTVDLKK LRVKELKKILDDWGETCKGC AEKSDYIRKI NELMPKYAPK AASARTDL
Purity	> 95 % by SDS-PAGE and HPLC analyses
MW	18.2 kDa
Expiration Date	6 months from date of receipt.

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SDS-PAGE analysis of Murine Cardiotrophin-1 protein

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