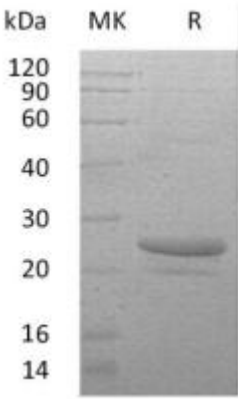


Recombinant Human CT-1

Catalog#:P01770 Derived from *E.coli*

DESCRIPTION	<p>Recombinant Human Cardiotrophin-1 is produced by our <i>E.coli</i> expression system and the target gene encoding Met1-Ala201 is expressed with a 6His tag at the N-terminus.</p> <p>Accession#: Q16619</p> <p>Known as: Cardiotrophin-1; CT-1; CTF1</p>
FORMULATION	Supplied as a 0.2 μ m filtered solution of PBS, 2mM EDTA, 5% Trehalose, pH 7.4.
SHIPPING	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
STORAGE	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
QUALITY CONTROL	<p>Mol Mass:22.6kDa AP Mol Mass:25kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1ng/μg (1 EU/μg) as determined by LAL test.</p>
BACKGROUND	<p>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 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-κB DNA-binding activities.</p>
 <p>SDS-PAGE</p> <p>kDa MK R</p> <p>120</p> <p>90</p> <p>60</p> <p>40</p> <p>30</p> <p>20</p> <p>16</p> <p>14</p>	