

Recombinant Protein Technical Manual Recombinant Human Cardiotrophin/CTF1 Protein (His Tag) RPES4529

Product Data:

Product	SKU: RPES4529
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Species: Human

Size: 10µg

Expression host: E. coli

Uniprot: Q16619

Protein Information:

Molecular Mass:	22.6 kDa
AP Molecular Mass:	25 kDa
Tag:	N-6His
Bio-activity:	
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin:	< 1.0 EU per μg as determined by the LAL method.
Storage:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping:	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at<-20°C.
Formulation:	Supplied as a 0.2 μm filtered solution of 20mM PB, $$ 150mM NaCl,pH7.4.
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	
Synonyms:	Cardiotrophin; CT; CTF1;

Sequence: Met 1-Ala201

Background:

Cardiotrophin, also known as CT and CTF1, is a member of the IL-6 superfamily. It is a sreted 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 activates phosphatidylinositol 3-kinase (PI-3 kinase) in cardiac myocytes and enhances transcription factor NF-κB DNA -binding activities.