



Human CTF1 peptide (DAG-P0119)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a secreted cytokine that induces cardiac myocyte hypertrophy in vitro. It has been shown to bind and activate the ILST/gp130 receptor. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]
Specificity	Highly expressed in heart, skeletal muscle, prostate and ovary. Lower levels in lung, kidney, pancreas, thymus, testis and small intestine. Little or no expression in brain, placenta, liver, spleen, colon or peripheral blood leukocytes.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the IL-6 superfamily.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	CTF1 cardiotrophin 1 [Homo sapiens (human)]
Official Symbol	CTF1
Synonyms	CTF1; cardiotrophin 1; CT1; CT-1; cardiotrophin-1; cardiophin 1;
Entrez Gene ID	1489

mRNA Refseq	NM_001142544.1
Protein Refseq	NP_001136016.1
UniProt ID	Q16619
Chromosome Location	16p11.2
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem; Physiological and Pathological Hypertrophy of the Heart, organism-specific biosystem;
Function	cytokine activity; leukemia inhibitory factor receptor binding;