Active Recombinant Human Cardiotrophin 1, GST-tagged

Cat. No. CTF1-184H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	E.coli
Description	The CCAAT-box Binding Protein 1 (CTF1, also called NF-I or NF-1) is a proline-rich transcription activator. It selectively activates transcription of genes that contain GCCAAT consensus sequence in promoter region, including human Ha-Ras, alpha-globin, hsp70 and many other cellular and viral genes. Cloning and functional characterization of the protein revealed that CTF1 contains a N-terminal DNA binding domain and a C-terminal proline-rich activation domain. CTF1 was shown to interact with the general transcription factor IIB (TFIIB) and facilitate the recruitment of TFIIB to TBP-DNA complexes, with the forkhead thyroid transcription factor TTF2 to regulate hormonedependent transcription of thyroperoxidase gene, as well as other receptor proteins to synergize hormone receptor-responsive activation. The proline-rich activation domain of human CTF1 protein (amino acids 399-499) is isolated from an E. coli strain that carries the coding sequence of the fused protein under the control of a T7 promoter. GST-CTF1 has been used for protein-protein interaction assays.
Usage	For in vitro use only.
Form	Liquid. Supplied in 20 mM Tris-HCl pH 8.0, 100 mM KCl, 0.2 mM EDTA, 1 mM DTT and 20% glycerol.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Activity	100 ng are sufficient for a protein-protein interaction assay.
Purity	> 95% by SDS-PAGE.
Storage	Quality guaranteed for 12 months, Store at -80℃. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	CTF1 cardiotrophin 1 [Homo sapiens]
Synonyms	CTF1; cardiotrophin 1; CT1; CT-1; cardiophin 1; Cardiotrophin-1
Gene ID	1489
mRNA Refseq	NM_001142544
Protein Refseq	NP_001136016
MIM	600435
UniProt ID	Q16619
Chromosome Location	16p11.2
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
Function	cytokine activity; leukemia inhibitory factor receptor binding

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA