antibodies .- online.com





Cardiotrophin 1 Protein (CTF1) (Transcript Variant 1)



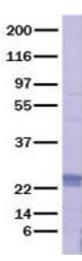
Image



Overview	
Quantity:	10 µg
Target:	Cardiotrophin 1 (CTF1)
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func), Antibody Production (AbP), Protein Interaction (PI), Standard (STD)
Product Details	
Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	 Recombinant human Cardiotrophin-1 (transcript variant 1) protein expressed in E. coli. Produced with end-sequenced ORF clone Tested for bioactivity.
Purity:	> 95 % as determined by SDS-PAGE and Coomassie blue staining
Endotoxin Level:	Endotoxin level is <0.1 ng/μg of protein (<1EU/μg).
Biological Activity Comment:	ED50 as determined by the dose-dependent proliferation of TF-1 cells was
Target Details	
Target:	Cardiotrophin 1 (CTF1)

Target Details

rarget Details	
Alternative Name:	Cardiotrophin-1 (CTF1 Products)
Background:	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 receoptor. Two
	transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	21.1 kDa
NCBI Accession:	NP_001321
Pathways:	JAK-STAT Signaling
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
	Protein-protein interaction
	In vitro biochemical assays and cell-based functional assays
Restrictions:	For Research Use only
Handling	
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20 mM phosphate buffer,100 mM NaCl, pH 7.2
Handling Advice:	Resuspend the protein in the desired concentration in proper buffer
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze
	immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot