Recombinant Human CTF1 protein(Ser2-Ala201), hFc-tagged

Cat. No. CTF1-239H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTF1(NP_001321.1)(Ser2-Ala201) was expressed in HEK293 with the fused Fc region of Human IgG1 at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	Ser2-Ala201
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 01-0.8 μg/mL.
Molecular Mass	The recombinant human CTF1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 460 amino acids and has a predicted molecular mass of 49.5 kDa. The apparent molecular mass of the protein is approximately 54 and 37 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 80 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CTF1 cardiotrophin 1 [Homo sapiens]
Official Symbol	CTF1
Synonyms	CTF1; cardiotrophin 1; cardiotrophin-1; CT 1; CT1; cardiophin 1; CT-1;
Gene ID	1489
mRNA Refseq	NM_001142544
Protein Refseq	NP_001136016
MIM	600435
UniProt ID	Q16619

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