

Recombinant Human Cardiotrophin-1

Cat.No.:MGC142 size:10µg/50µg/500µg

Characteristics:

Source	<i>E.coli</i>
Species	Human
Tag	Tag free
Description	Human Cardiotrophin-1 (Met1-Phe201 with an N-terminal Met)
Accession#	Q16619
Predicted molecular mass	~21.2 kDa. It is composed of one non-glycosylated polypeptide chain containing 201 amino acids.

Specification:

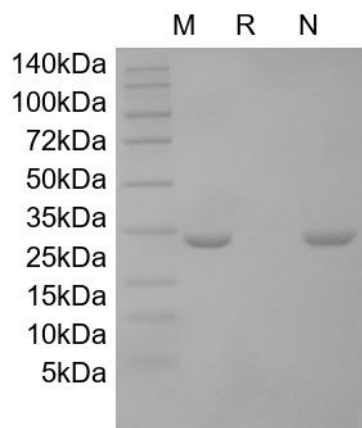
Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%,by SDS-PAGE(under reducing(R)&Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	< 0.01 EU/µg
Activity	The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 1.0 ng/ml, corresponding to a specific activity of ≥ 1.0×10 ⁶ IU/mg.
Formulation	0.2 µm-filtered solution containing 20 mM PB, with 150 mM NaCl, 0.1% (v/v) Tween-20 and 3% (v/v) Trehalose, pH 7.4.

Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water. 细胞因子溶解、稀释、保存可使用即用型专用溶剂套装—PWL240 (1mL无菌水+10mL稀释液)
Shipping	Wet ice (seasonal)
Storage & Stability	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

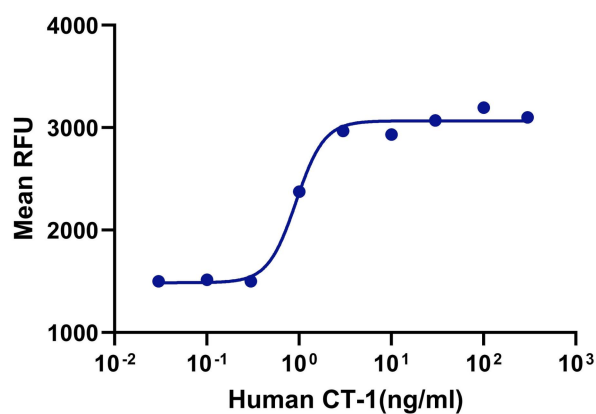
Data:

SDS-PAGE



Recombinant Human Cardiotrophin-1 (Cat. No. MGC142) SDS-PAGE under reducing (R) & Non-reducing conditions.

Bioactivity



The ED₅₀ as determined by a cell proliferation assay using human TF-1 cells is less than 1.0 ng/ml, corresponding to a specific activity of $\geq 1.0 \times 10^6$ IU/mg.