Human Cardiotrophin 1 Protein, His Tag (MALS verified)

Catalog # CA1-H5243

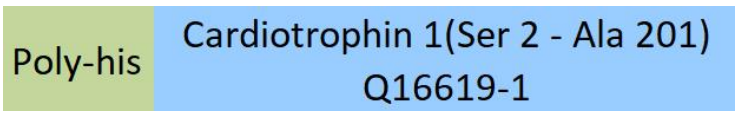
Synonym

CT-1, CT1

Source

Human Cardiotrophin 1 Protein, His Tag(CA1-H5243) is expressed from human 293 cells (HEK293). It contains AA Ser 2 - Ala 201 (Accession # Q16619-1). Predicted N-terminus: His

Molecular Characterization



This protein carries a polyhistidine tag at the N-terminus

The protein has a calculated MW of 23 kDa. The protein migrates as 27-30 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μm filtered solution in 50 mM HAC, ph3.0 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

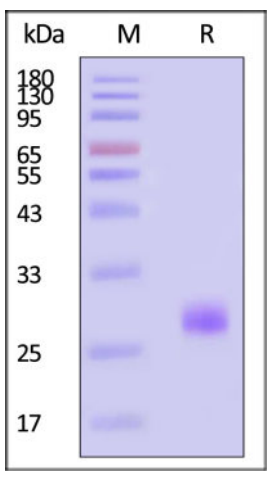
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

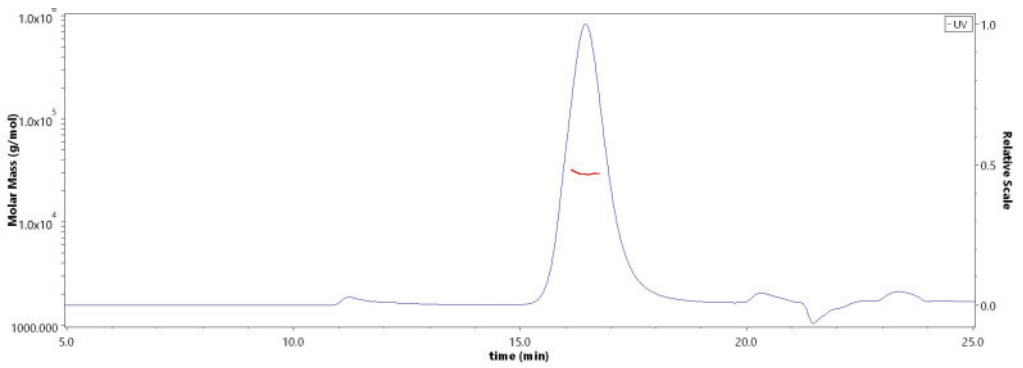
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human Cardiotrophin 1 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With Star Ribbon Pre-stained Protein Marker).

SEC-MALS



The purity of Human Cardiotrophin 1 Protein, His Tag (Cat. No. CA1-H5243) is more than 90% and the molecular weight of this protein is around 25-35 kDa verified by SEC-MALS.
Report

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.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.