

Cardiotrophin-1 Mouse Recombinant

Item Number	rAP-0399
Synonyms	CTF1, CT1, CT-1, Cardiophin 1.
Description	CTF1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 202 amino acids and having a molecular mass of 21.3kDa. The CTF1 Mouse is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q60753
Amino Acid Sequence	SQREGSLEDH QTDSSISFLP HLEAKIRQTH NLARLLTKYA EQLLEEYVQQ QGEPFGLPGF SPPRL- PLAGL SGPAPSHAGL PVSERLRQDA AALSVPALL DAVRRRQAEL NPRAPRLLRS LEDAARQVRA LGAAVETVLA ALGAAARGPG PEPVTATLF TANSTAGIFS AKVLGFHVCG LYGEWVSRT GDLGQLVPGG VA
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized CTF1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CTF1 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 98.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized CTF1 in sterile 4mM HCl to a concentration of 0.1-0.5 mg/ml. Stock solutions should be apportioned into working aliquots and stored at <-200C. Further dilutions should be made in appropriate buffered so
Biological Activity	The ED50 as determined by the dose-dependent proliferation of TF-1 cells was < 1.0ng/ml, corresponding to a specific activity of > 1,000,000units/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**