

Cardiotrophin-1 Human Recombinant, His Tag

Item Number	rAP-0401
Synonyms	CTF1, CT1, CT-1, Cardiophin 1.
Description	The Cardiotrophin His-Tagged Fusion Protein Human, produced in E. coli, is 22.5 kDa protein containing 200 amino acid residues of the human Cardiotrophin and 12 additional amino acid residues – His Tag (underlined).
Uniprot Accesion Number	Q16619
Amino Acid Sequence	MRGSHHHHHH GSSRREGSLE DPQTDSSVSL LPHLEAKIRQ THSLAHLTK YAEQLLQEYV QLQGDPFGLPSFSPRLPVA GLSAPAPSHA GLPVHERLRL DAAALAALPP LLDVCRQA ELN- PRAPRL RRLEDAARQA RALGAAVEAL LAALGAANRG PRAEPPAATA SAASATGVFP AKVLGLRVCG LYREWLSRTE GDLGQLPVG SA.
Source	Escherichia Coli.
Physical Appearance and Stability	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	CTF1 was filtered (0.4µm) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4. Purity of CTF1 Human Recombinant is greater than 90% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add 0.1M Acetate buffer pH-4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to
Biological Activity	
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**