



Recombinant Human Cardiotrophin 1 Datasheet

Catalog Number: PR27092

Product Type: Recombinant Protein

Source: *E.coli*

Description/Molecular Mass: 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).

Amino Acid Sequence: MRGSHHHHHH GSSRREGSLE DPQTDSSVSL LPHLEAKIRQ THSLAHLTK YAEQLLQEYV QLQGDPFGLPSFSPRLPVA GLSAPAPSHA GLPVHERLRL DAAAL AALPP LLDVAVCRRQA ELNPRAPRLL RRLEDAARQA RALGAAVEAL LAALGAANRG PRAEPPAATA SAASATGVFP AKVLGLRVCG LYREWLSRTE GDLGQLLP GG SA.

Purification Method: Three-step procedure using affinity Ni-NTA chromatography and size exclusion chromatography before and after refolding.

Specificity: The amino acid sequence of the cardiotrophin 1 human recombinant is 100% Homologous to the amino acid sequence of the cardiotrophin-1 human.

Purity: Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Format: Purity of CTF1 Human Recombinant is greater than 90% (SDS-PAGE analyzed).

Reconstitution: Add 0.2 ml of 0.1M Acetate buffer pH-4 and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/ml. In higher concentrations the solubility of this antigen is limited.

Storage: 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. The lyophilized Cardiotrophin 1 remains stable until the expiry date when stored at -20°C.

Application: Useful for Western Blot

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