Murine Cardiotrophin-1, CTF1

Synonyms: CTF1, CT1, CT-1, Cardiophin 1.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1230.960.002		
10 µg	1230.960.010		
1 mg	1230.960.199		

Please enquire for bulk quantities and other vial sizes

Description

CTF1 Murine Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 202 amino acids and having a molecular mass of 21.3kDa.

- **Biological Activity** ≥ 1 x 10^6 IU/mg.
- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED_{50} 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.

Reconstitution

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 solutions.

Stability

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 avoid repeated freeze-thaw cycles**.

Amino Acid Sequence

SQREGSLEDH QTDSSISFLP HLEAKIRQTH NLARLLTKYA EQLLEEYVQQ QGEPFGLPGF SPPRLPLAGL SGPAPSHAGL PVSERLRQDA AALSVLPALL DAVRRRQAEL NPRAPRLLRS LEDAARQVRA LGAAVETVLA ALGAAARGPG PEPVTVATLF TANSTAGIFS AKVLGFHVCG LYGEWVSRTE GDLGQLVPGG VA

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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