

[Go to Product page](#)

Datasheet for ABIN935693

Cardiotrophin 2 Protein (CTF2)

Overview

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|----------------------|----------------------------|
| Quantity: | 25 µg |
| Target: | Cardiotrophin 2 (CTF2) |
| Origin: | Mouse |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Biological Activity: | Active |

Product Details

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|------------------|---|
| Sequence: | MAPISPSEPI GQAYSLALYM QKNTSALLQT YLQHQGSPFS DPGFSAPELQ LSTLPSSAAVS FKTWHAMEDA ERLSRAQGAF LALTQHLQLV GDDQSYLNPG SPILLAQLGA ARLRAQGLLG NMAAIMTALG LPIPPEEDTL GFVPGASAF ERKCRGYIVT REYGHWTDR VLDLALLKAK YSA |
| Characteristics: | Purified recombinant Mouse Neuropoietin protein Expression System: E.coli Bioactivity: The ED50 was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is 0.5-0.8 µg/mL. |
| Purity: | > 98 % pure |
| Endotoxin Level: | < 0.1 ng per µg (1 EU/µg). |

Target Details

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|-------------------|--|
| Target: | Cardiotrophin 2 (CTF2) |
| Alternative Name: | Neuropoietin (CTF2 Products) |

Target Details

Background: Neuropeitin is a newly identified member of the IL6 cytokine family. Members of this family, including IL6, IL11, oncostatin M, leukemia inhibitory factor (LIF), cardiotrophin-1 (CT-1), cardiotrophin-like cytokine, and CNTF, display a four-helix bundle structure, and signal through gp130-containing receptor complexes. Neuropeitin, which is predominantly expressed in neuroepithelia during embryonic life, acts through a receptor complex comprising CNTF receptor-a component, gp 130, and LIF receptor. Like CNTF, it promotes the survival of embryonic motor neurons and could increase the proliferation of neural precursor cells in the presence of EGF and FGF2.

Alternative Names: NPO protein, NP protein

Molecular Weight: 19.8 kDa

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Supplied as a lyophilized powder.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.