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Datasheet for ABIN2830420

Cardiotrophin 1 Protein (CTF1)

Overview

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|----------------------|----------------------------|
| Quantity: | 100 µg |
| Target: | Cardiotrophin 1 (CTF1) |
| Origin: | Rat |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Application: | Functional Studies (Func) |

Product Details

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| Sequence: | MSQREGSLED HQTDSFSFL PHLEAKIRQT HNLARLLTKY ADQLLEEYVQ QQGEPFGLPG FSPRLPLAG LSGPAPSHAG LPVSRRLRQD AAALSALPAL LDAVRRRQAE LNPRAPRLLR SLEDAARQVR ALGAAVETVL AALGAAARGP VPEPVATSAL FTSNSAAGVF SAKVLGLHVC GLYGEWVSRT EGD LGQLVPG GVA |
| Characteristics: | Biological Activity: Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 0.5 ng/mL, corresponding to a specific activity of $> 2.0 \times 10^6$ IU/mg. |
| Purity: | >95 % as determined by SDS-PAGE and HPLC. |
| Sterility: | 0.2 µm filtered |

Target Details

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|---------|------------------------|
| Target: | Cardiotrophin 1 (CTF1) |
|---------|------------------------|

Target Details

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|-------------------|---|
| Alternative Name: | Ctf1 (CTF1 Products) |
| Background: | Relevance: Induces cardiac myocyte hypertrophy in vitro. Binds to and activates the ILST/gp130 receptor. Synonyms: CT-1, |
| Molecular Weight: | 21.4 kDa |
| UniProt: | Q63086 |
| Pathways: | JAK-STAT Signaling |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Lyophilized |
| Buffer: | 20 mM PB, pH 7.4, 150 mM NaCl |
| Storage: | -20 °C |