

## Product datasheet for PA504X

### Cardiotrophin-1 (His-tagged) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Cardiotrophin-1 (His-tagged) human protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MRGSHHHHHH GSSRREGSLE DPQTDSSVSL LPHLEAKIRQ THSLAHLTK YAEQLLQEYV QLQGDPFGLP SFSPRLPVA GLSAPAPSHA GLPVHERLRL DAAALALPP LLDVAVCRRQA ELNPRAPRLL RRLEDAARQA RALGAAVEAL LAALGAANRG PRAEPPAATA SAASATGVFP AKVLGLRVCG LYREWLSRTE GDLGQLLPGG SA
<b>Tag:</b>	His-tag
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90%
<b>Buffer:</b>	Presentation State: Purified State: Lyophilized purified protein Buffer System: 0.05 M Acetate buffer pH4
<b>Reconstitution Method:</b>	Restore with 0.1M Acetate buffer pH4 For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/mL.
<b>Preparation:</b>	Lyophilized purified protein
<b>Applications:</b>	ELISA. Western Blot.
<b>Protein Description:</b>	Total 212 AA. MW: 22.5 kDa (calculated). N-Terminal His-tag, 12 extra AA (highlighted).
<b>Note:</b>	Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
<b>Storage:</b>	Store lyophilized (preferably in a desiccator) at -20°C and in aliquots at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after two weeks at 4°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.



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RefSeq: [NP\\_001136016](#)

Locus ID: 1489

UniProt ID: [Q16619](#)

Cytogenetics: 16p11.2

Synonyms: CT-1; CT1

**Summary:** The protein encoded by this gene is a secreted cytokine that induces cardiac myocyte hypertrophy in vitro. It has been shown to bind and activate the ILST/gp130 receptor. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]

**Protein Families:** ES Cell Differentiation/IPS, Secreted Protein

**Protein Pathways:** Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

### Product images:

