

RPES8026

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**Product Information**

<b>Product SKU:</b>	RPES8026	<b>Expression Host:</b>	E.coli	<b>Size:</b>	20µg
<b>Tag:</b>	N-Trx	<b>Reactivity:</b>	Human	<b>Accession:</b>	Q16619-1

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**Additional Information**

<b>Calculated MW:</b>	41.8 kDa	<b>Observed MW:</b>	39 kDa
<b>Sequence:</b>	Ser2-Ala201		

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**Protein Information**

**Background:** CTF1 is the first HOX11 protein partner identified that plays an important role in hematopoietic precursor cell immortalization. CTF1 was found to protect a gene from silencing when its DNA-binding sites were interposed between the gene and the telomeric extremity, while it did not affect a gene adjacent to the telomere. Protein fusions containing the CTF1 histone-binding domain displayed similar activities, while mutants impaired in their ability to interact with an the histone did not. Cardiotrophin-1 (CTF1) has been reported to act as a trophic factor for a few neurons, such as sensory, cholinergic, dopaminergic, motor and cortical neurons. Studies have indicated that CTF1 delays degenerative disease progression in motor neuron disease.

**Synonyms:** Cardiophin 1, Cardiophin1, Cardiotrophin I, Cardiotrophin-1, Cardiotrophin1, CardiotrophinI, CT 1, CT-1, CT1, CTF 1, Ctf1, CTF1\_HUMAN

**Endotoxin:** < 10 EU/mg of the protein as determined by the LAL method

**Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

**Purity:** > 90% as determined by reducing SDS-PAGE.

**Bio-Activity:** Not validated for activity

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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