

Datasheet: PMP54

Description:	RECOMBINANT MOUSE CARDIOTROPHIN-1
Name:	CARDIOTROPHIN-1
Other names:	CT-1
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	10 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.abdserotec.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA			■	
Functional Assays	■			

Where this protein has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Mouse
Product Form	Purified Recombinant Protein - lyophilised
Reconstitution	Reconstitute with 20ul distilled water
Note	Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Serotec recommend that the vial is gently mixed after reconstitution.
Preparation	Recombinant protein expressed in <i>E. coli</i> .
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	None present
Endotoxin Level	<0.1 ng/ug
Approx. Protein Concentrations	0.5 mg/ml
External Database Links	<p>UniProt: Q60753 CTF1_MOUSE Related reagents</p> <p>Entrez Gene: 13019 Ctf1 Related reagents</p>

Product Information	<p>Mouse cardiotrophin-1 (CT-1) is a 21.3kD cytokine which is expressed in heart and several other mouse tissues. It was originally identified by its ability to induce cardiac myocyte heterotrophy <i>in vitro</i>.</p> <p>Cardiotrophin-1 acts as a hepatocyte stimulating factor and induces hepatic expression of acute phase proteins. It also acts to inhibit the differentiation of mouse embryonic stem cells.</p>
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Protein Molecular Weight	21.3kD (202 amino acid sequence)
Activity	1 x 10 ⁶ units/mg
Purity	>98% by SDS PAGE and HPLC analysis
Storage	<p>Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	3 months from date of reconstitution.
Health And Safety Information	<p>Material Safety Datasheet Documentation #10169 available at: http://www.abdserotec.com/uploads/MSDS/10169.pdf</p>
Regulatory	For research purposes only

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'M229862:130108'

Printed on 31 May 2013