

Mouse Cardiotrophin-1 Recombinant Protein, PeproTech®

Product Details

Size	1 mg
Species	Mouse
Published Species	Rat, Mouse
Expression system	E. coli
Amino acid sequence	SQREGSLEDH QTDSSISFLP HLEAKIRQTH NLARLLTKYA EQLLEEYVQQ QGEPFGLPGF SPPRLPLAGL SGPAPSHAGL PVSERLRQDA AALSVPALL DAVRRRQAEL NPRAPRLLRS LEDAARQVRA LGAAVETVLA ALGAAARGPG PEPVTVATLF TANSTAGIFS AKVLGFHVCG LYGEWVSRTE GDLGQLVPGG VA
Molecular weight	21.3 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/μg
Activity	The ED50 as determined by the dose-dependent proliferation of TF-1 cells was 1.0 ng/ml, corresponding to a specific activity of 1 x 10 ⁶ units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	HPLC, SDS-PAGE
Contains	no preservative
Storage conditions	-20°C

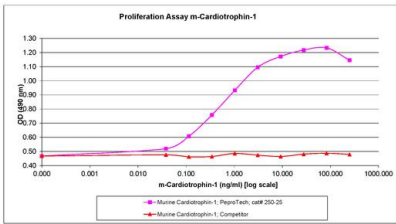
Applications	Tested Dilution	Publications
Functional Assay (FN)	Assay-dependent	-
In vitro Assay (IV)	-	8 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

Recombinant Murine Cardiotrophin-1 is a 21.3 kDa protein consisting of 202 amino acid residues.

This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

Product Images For Mouse Cardiotrophin-1 Recombinant Protein, PeproTech®



Mouse Cardiotrophin-1 Protein (250-25-1MG) in FN
Bioassay analysis of Mouse Cardiotrophin-1 Recombinant Protein, PeproTech® (Product # 250-25-1MG).

9 References

In vitro Assay (8)

<p>Cell death & disease</p> <p>Calpain system is altered in survival motor neuron-reduced cells from in vitro and in vivo spinal muscular atrophy models.</p> <p>Authors: de la Fuente S,Sansa A,Hidalgo I,Vivancos N,Romero-Guevara R,Garcera A,Soler RM</p>	<p>Year 2020</p> <p>Species Mouse</p>
<p>Journal of lipid research</p> <p>Blocking gp130 signaling suppresses autotaxin expression in adipocytes and improves insulin sensitivity in diet-induced obesity.</p> <p>Authors: Sun S,Wang R,Song J,Guan M,Li N,Zhang X,Zhao Z,Zhang J</p>	<p>Year 2017</p> <p>Species Mouse</p>

[View more IV references on thermofisher.com](#)

Miscellaneous PubMed (1)

<p>Stem cell research</p> <p>Hiding inside? Intracellular expression of non-glycosylated c-kit protein in cardiac progenitor cells.</p> <p>"250-25 was used in Cell Culture to demonstrate that cardiac progenitor cell c-kit is expressed in cardiosphere-derived cells and directly participates in their differentiation into an endothelial lineage."</p> <p>Authors: Shi H,Drummond CA,Fan X,Haller ST,Liu J,Malhotra D,Tian J</p>	<p>Year 2016</p> <p>Species Mouse</p>
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More applications with references on thermofisher.com

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