



AVISCERA BIOSCIENCE

Human CTRP9 Full Length Recombinant

This recombinant protein had been used by Dr. Noriyuki Ouchi , Dr. Rei Shibata, Dr. Takahiro Kambara and Dr. Yusuke Uemura on following research papers.

Product Information

Code	00081-04-100
Name	CTRP9 (H), rec.
Lot No.	
Size	100 µg
Species	Human
Sequence	Q20-P333
Protein ID	NP_848635
Gene ID	NM_178540
MW	34.56 KD
Tag	His tag on N terminus
Source	E. Coli
Purity	>90% in SDS- PAGE gel PBS lyophilized
Formulation	form without preservatives
Carry	free
Storage	-20 °C ~ -70 °C
Reconstitution	100 µl
Application	ELISA Cell biology

Description

A DNA sequence encoding the mature form of human CTRP9, Full Length (Gln²⁰-Pro³³³) with 6 His tag on the N-Terminus was expressed in *E. Coli*. This protein was purified by Ni-NTA column.

Formulation

Lyophilized 100 µg human CTRP9 full length in PBS. Carry free.

Reconstitution & Storage

Add 100 µl PBS or deionized water to the vial to prepare a working stock solution at 100 µg/100 µl. Allow to set at least 30 minutes at 4 °C, mix well.

Store lyophilized protein at -20 °C or -70 °C. Lyophilized protein is stable for up to 6 months from date of receipt at -20 °C to -70 °C. Upon reconstitution, this protein can be stored at -20 °C for a few weeks or at -70 °C in a manual defrost freezer for long term storage (six months). Aliquot reconstituted protein to avoid repeated freezing / thawing cycles.

Sequence: human CTRP9 full length (Gln²⁰-Pro³³³)

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20Q DTCRQGHPI PGNPGHNGLP GRDGRDGAKG
DKGDAGEPGR PGSPGKDGTS GEKGERGADG KVEAKGIKGD
QGSRGSPGKH GPKGLAGPMG EKGLRGETGP QQQKGNKGDV
GPTGPEGPRG NIGPLGPTGL PGPMGPIGKP GPKGEAGPTG
PQGEFVVRGI RGWKGDRGEK GKIGETLVLP KSAFTVGLTV
LSKFPSSDMP IKFDKILYNE FNHYDTAAGK FTCHIAGVYY
FTYHITVFSR NVQVSLVKNG VKILHTKDAY MSSEDQASGG
IVLQLKLGDE VWLQVTGGER FNGLFADEDD DTTFTGFLLF
SSP 333
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References:

1. Takahiro Kambara et al. CTRP9 Protein Protects against Myocardial Injury following Ischemia-Reperfusion through AMP-activated Protein Kinase (AMPK)-dependent Mechanism. *J Biol Chem.* 2012 June 1; 287(23): 18965–18973.
2. Yusuke Uemura , et al. Adipose-derived factor CTRP9 attenuates vascular smooth muscle cell proliferation and neointimal formation. *Journal of Cellular Biochemistry* 2013 The FASEB Journal vol. 27 no. 1 25-33/ Published online before print September 12, 2012,

THIS PRODUCT IS FOR RESEARCH ONLY. NOT FOR USE IN HUMANS.

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