

Product datasheet for PH307458

CTRP4 (C1QTNF4) (NM_031909) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C1QTNF4 MS Standard C13 and N15-labeled recombinant protein (NP_114115)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207458
Predicted MW:	35.3 kDa
Protein Sequence:	>RC207458 protein sequence Red=Cloning site Green=Tags(s)

MLPLLLGLLGPAACWALGPTPGGSSSELRSFAARTTPLEGTSEMAVTFDKVYVNIIGGDFDVATGQFRC
RVPGAYFFSFTAGKAPHKSLSVMLVRNRDEVQALAFDEQRRPGARRAASQSAMLQLDYGDTVWLRHLHGAP
QYALGAPGATFSGYLVYADADADAPARGPPAPPEPRSAFSAARTRSLVGSADAGPGRHQPLAFDTEFVNI
GGDFDAAAGVFRCLPGAYFFSFTLGLKPRKTLVKLMKNRDEVQAMIYDDGASRRREMQSQSVMLALRR
GDAVWLLSHDHDGYGAYSNHGKYITFSGFLVYPDLAPAAPPGLGASELL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_114115</u>
RefSeq Size:	1436
RefSeq ORF:	987
Synonyms:	CTRP4; ZACRP4
Locus ID:	114900



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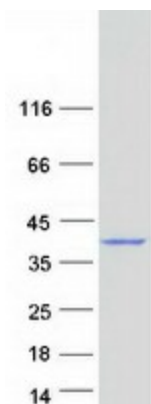
UniProt ID: [Q9BXJ3](#), [A0A3B0J0L9](#)

Cytogenetics: 11p11.2

Summary: May be involved in the regulation of the inflammatory network. Its role as pro- or anti-inflammatory seems to be context dependent (PubMed:21658842, PubMed:27086950). Seems to have some role in regulating food intake and energy balance when administered in the brain. This effect is sustained over a two-day period, and it is accompanied by decreased expression of orexigenic neuropeptides in the hypothalamus 3 h post-injection (By similarity). [UniProtKB/Swiss-Prot Function]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified C1QTNF4 protein (Cat# [TP307458]). The protein was produced from HEK293T cells transfected with C1QTNF4 cDNA clone (Cat# [RC207458]) using MegaTran 2.0 (Cat# [TT210002]).