

Product datasheet for **TP307458**

CTRP4 (C1QTNF4) (NM_031909) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human C1q and tumor necrosis factor related protein 4 (C1QTNF4), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207458 protein sequence Red =Cloning site Green =Tags(s)

MLPLLLGLLGPAACWALGPTPGPGSSELRSAFSAARTTPLEGTSEMVAFTDKVYVNI GGDFDVATGQFRC
RVPGAYFFSFTAGKAPHKSLVMLVRNRDEVQALAFDEQRRPGARRAASQSAMLQLDYGDTVWLRHLHGAP
QYALGAPGATFSGYLVYADADADAPARGPPAPPEPRSAFSAARTRSLVGS DAGPGPRHQPLAFDTEFVNI
GGDFDAAAGVFRCLPGAYFFSFTLGKLPKTL SVKLMKNRDEVQAMIYDDGASRRREM QSQSVMLALRR
GDAVWLLSHDHDGYGAYS NHGKYITFSGFLVY PDLAPAAP PGLGASELL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	35.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_114115
Locus ID:	114900



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

RefSeq Size: 1436

Cytogenetics: 11p11.2

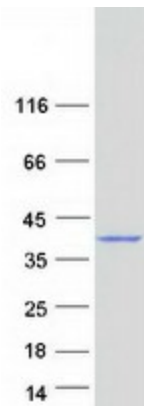
RefSeq ORF: 987

Synonyms: CTRP4; ZACRP4

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]).