

32-12002: Human globular ACRP-30 (AF)

Gene : ADIPOQ
Gene ID : 9370
Uniprot ID : Q15848
Alternative Name : Adiponectin, apm-1, adipolean, ACDC, ACRP30, APM1, GBP28

Description

Source: Genetically modified E.coli.

Predicted MW: Monomer, 16.7 kDa (145 aa)

The globular subunit of adipocyte complement-related protein of 30 kDa (ACRP-30) is a naturally occurring cleavage product of adiponectin, a protein made exclusively by adipocytes. ACRP-30 is an abundant serum protein and plays an important role in hyperglycemia, insulin resistance, and fatty acid oxidation. ACRP-30 signals through adiponectin receptor 1 (AdipoR1) and adiponectin receptor 2 (AdipoR2).

Product Info

Amount : 25 µg / 100 µg
Purification : Reducing and Non-Reducing SDS PAGE at >= 90%
 Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM Tris, 0.75 mM DTT, pH 8.0
Content : Sterile 5 mM Tris and 0.75 mM DTT, pH 8 at 0.1 mg/mL
Storage condition : Store at -20°C
Amino Acid : MKGEPGEGAY VYRSAFSVGL ETYVTIPNMP IRFTKIFYNQ QNHYDGSTGK FHCNIPLGLYY FAYHITVYMK DVKVSFLFKD KAMLFTYDQY QENNVDQASG SVLLHLEVGD QVWLQVYEG ERNGLYADND NDSTFTGFL YHDTN

Application Note

Endotoxin: Less than 0.5 ng/µg (1 IEU/µg) as determined by LAL test.

Biological Activity was determined by Bioactive protein. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



