

Product datasheet for PH315161

Adiponectin (ADIPOQ) (NM_004797) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ADIPOQ MS Standard C13 and N15-labeled recombinant protein (NP_004788)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215161
Predicted MW:	26.41 kDa
Protein Sequence:	>RC215161 representing NM_004797 Red =Cloning site Green =Tags(s) MLLLGAVLLLLALPGHDQETTTQPGVLLPLPKGACTGWMAGIPGHPGHNGAPGRDGRDGTGPEKGEKGD PGLIGPKGDIGETGVPGAEGPRGFGPIQGRKGEPGEGAYVYRSAFEVGLLETIVTIPNMPIRFTKIFYNQQ NHYDYGSTGKFHCNIPGLYYFAYHITVYMKDVKVSLEFKKDKAMLFYDQYQENNVQASGSVLLHLEVDQ VWLQVYGEGERNGLYADNDNDSTFTGFLLYHDTN TRTRP LE QKLI SEEDLAANDILDYKDDDDK V
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:	NP_004788
RefSeq Size:	4592
RefSeq ORF:	732
Synonyms:	ACDC; ACRP30; ADIPQTL1; ADPN; APM-1; APM1; GBP28
Locus ID:	9370
UniProt ID:	Q15848 , A8K660



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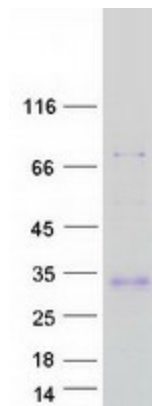
Cytogenetics: 3q27.3

Summary: This gene is expressed in adipose tissue exclusively. It encodes a protein with similarity to collagens X and VIII and complement factor C1q. The encoded protein circulates in the plasma and is involved with metabolic and hormonal processes. Mutations in this gene are associated with adiponectin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Apr 2010]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Adipocytokine signaling pathway, PPAR signaling pathway, Type II diabetes mellitus

Product images:



Coomassie blue staining of purified ADIPOQ protein (Cat# [TP315161]). The protein was produced from HEK293T cells transfected with ADIPOQ cDNA clone (Cat# [RC215161]) using MegaTran 2.0 (Cat# [TT210002]).