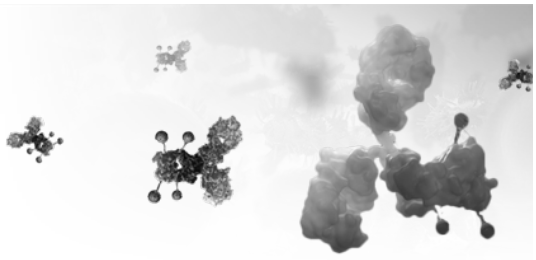

Human ADIPOR1 peptide (DAG-P1349)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein which acts as a receptor for adiponectin, a hormone secreted by adipocytes which regulates fatty acid catabolism and glucose levels. Binding of adiponectin to the encoded protein results in activation of an AMP-activated kinase signaling pathway which affects levels of fatty acid oxidation and insulin sensitivity. A pseudogene of this gene is located on chromosome 14. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2014]
Specificity	Widely expressed. Highly expressed in skeletal muscle. Expressed at intermediate level in brain, heart, spleen, kidney, liver, placenta, lung and peripheral blood leukocytes. Weakly expressed in colon, thymus and small intestine.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the ADIPOR family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	ADIPOR1 adiponectin receptor 1 [Homo sapiens (human)]
Official Symbol	ADIPOR1
Synonyms	ADIPOR1; adiponectin receptor 1; CGI45; PAQR1; ACDCR1; CGI-45; TESBP1A; adiponectin

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	receptor protein 1; progestin and adipoQ receptor family member I;
Entrez Gene ID	51094
mRNA Refseq	NM_001290553.1
Protein Refseq	NP_001277482.1
UniProt ID	Q96A54
Chromosome Location	1q32.1
Pathway	AMPK signaling, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Non-alcoholic fatty liver disease (NAFLD), organism-specific biosystem; Non-alcoholic fatty liver disease (NAFLD), conserved biosystem;
Function	hormone binding; identical protein binding; protein heterodimerization activity; protein kinase binding; receptor activity;

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