

Recombinant Human ADIPOR1, GST-tagged

Cat. No. ADIPOR1-9426H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human ADIPOR1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 1-72a.a.

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.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name ADIPOR1 adiponectin receptor 1 [Homo sapiens]

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Official Symbol	ADIPOR1
Synonyms	ADIPOR1; adiponectin receptor 1; adiponectin receptor protein 1; ACDCR1; PAQR1; progestin and adipoQ receptor family member I; CGI45; CGI-45; TESBP1A; FLJ25385; FLJ42464;
Gene ID	51094
mRNA Refseq	NM_015999
Protein Refseq	NP_057083
MIM	607945
UniProt ID	Q96A54
Chromosome Location	1q32.1
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem;
Function	hormone binding; identical protein binding; protein heterodimerization activity; protein kinase binding; receptor activity;

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