

# Recombinant Full Length Human ADIPOR1 Protein, GST-tagged

**Cat. No.** ADIPOR1-12HF    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Human ADIPOR1 Full-Length ORF ( NP\_057083.2, 1 a.a.- 375 a.a.) recombinant protein with GST-tag at N-terminal.

### Species

Human

### Source

In Vitro Cell Free System

### 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.

### Molecular Mass


69 kDa

### AA Sequence

MSSHKGSVVA QGNGAPASNR EADVELAEL GPLLEEKGKR VIANPPKAEE  
 EQTCPVPQEE EEEVRVLTLP LQAHHAMEKM EEFVYKVVWEG RWRVIPYDVL  
 PDWLKDNLYL LHGHRPPMPS FRACFKSIFR IHTETGNIWT HLLGFVLF  
 LGILTMLRPN MYFMAPLQEK VVFGMFFLGA VLCLSFSWLF HTVYCHSEKV  
 SRTFSKLDYS GIALLIMGSF VPWLYYSFYC SPQPRLIYLS IVCVLGISAI  
 IVAQWDRFAT PKHRQTRAGV FLGLGLSGVV PTMHFTIAEG FVKATTVGQM  
 GWFFLMVAMY ITGAGLYAAR IPERFFPGKF DIWFQSHQIF HVLVVAAAFV  
 HFYGVSNLQE FRYGLEGGCT DDTLL

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay; Western Blot; Antibody Production; Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	ADIPOR1 adiponectin receptor 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ADIPOR1
<b>Synonyms</b>	ADIPOR1; CGI45; PAQR1; ACDCR1; CGI-45; TESBP1A; adiponectin receptor 1; progesterin and adipoQ receptor family member I
<b>Gene ID</b>	51094
<b>mRNA Refseq</b>	NM_015999
<b>Protein Refseq</b>	NP_057083
<b>MIM</b>	607945
<b>UniProt ID</b>	Q96A54

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