Recombinant Human ADIPOR1, GST-tagged

Cat. No. ADIPOR1-625H **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	Wheat Germ
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	MSSHKGSVVAQGNGAPASNREADTVELAELGPLLEEKGKRVIANPPKAEEEQTCPV PQEEEEEVRVLTLPLQAHH AMEKMEEFVYKVWEGRWRVIPYDVLPDWLKDNDYLL HGHRPPMPSFRACFKSIFRIHTETGNIWTHLLGFVLFLF LGILTMLRPNMYFMAPLQE KVVFGMFFLGAVLCLSFSWLFHTVYCHSEKVSRTFSKLDYSGIALLIMGSFVPWLY Y SFYCSPQPRLIYLSIVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLGLSGVVPTMH FTIAEGFVKATTVGQM GWFFLMAVMYITGAGLYAARIPERFFPGKFDIWFQSHQIFH VLVVAAAFVHFYGVSNLQEFRYGLEGGCTDDTLL
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot; Antibody Production; Protein Array

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ADIPOR1 adiponectin receptor 1 [Homo sapiens (human)]
Official Symbol	ADIPOR1
Synonyms	ADIPOR1; CGI45; PAQR1; ACDCR1; CGI-45; TESBP1A; adiponectin receptor 1; progestin and adipoQ receptor family member I
Gene ID	51094
mRNA Refseq	NM_015999
Protein Refseq	NP_057083
MIM	607945
UniProt ID	Q96A54
Chromosome Location	1q32.1
Pathway	AMPK signaling; Adipocytokine signaling pathway
Function	hormone binding; identical protein binding; protein heterodimerization activity

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA