

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

```
MSSHKGSVVAQNGAPASNREADTVLAEELGPLLEEKGKRVIANPPKAEETQCPV
PQEEEEVRLTLPLQAHH AMEKMEEFVYKVVWEGRWRVIPYDVLDPDWLKDNDYLL
HGHRPPMPSFRACFKSIFRIHTETGNIWTHLLGFVFLFL LGILTMLRPNMYFMAPLQE
KVVFGMFFLGAVLCLSFVWLFHTVYCHSEKVSRTFSKLDYSGIALLIMGSFVPWLY Y
SFYCSPQPRLIYLSIVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLGLSGVVPTMH
FTIAEGFVKATTVGQM GWFFLMAVMYITGAGLYAARIPERFFPGKFDIWFQSHQIFH
VLVVAAAFVHFYGVSNLQEFRYGLEGGCTDDTLL
```

Applications Enzyme-linked Immunoabsorbent Assay; Western Blot; Antibody Production; Protein Array

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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; progesterin 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

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