

## Recombinant Human ADIPOR2, GST-tagged

Cat. No. ADIPOR2-210H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ADIPOR2 full-length ORF ( NP_078827.2, 1 a.a. - 386 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	The adiponectin receptors, ADIPOR1 (MIM 607945) and ADIPOR2, serve as receptors for globular and full-length adiponectin (MIM 605441) and mediate increased AMPK (see MIM 602739) and PPAR-alpha (PPARA; MIM 170998) ligand activities, as well as fatty acid oxidation and glucose uptake by adiponectin.
<b>Molecular Mass</b>	70.3 kDa
<b>AA Sequence</b>	MNEPTENRLGCSRTPEPDIRLRKGHQLDGTRRGDNDSSHQGDLEPILEASVLSSHK KSSEEHEYSDEAPQEDEGF MGMSPLLQAHHAMEKMEEFVCKVWEGRWRVIPHDV LPDWLKDNDFULLHGHRPPMPSFRACFKSIFRIHTETGNIW THLLGCVFFLCLGIFYM FRPNISFVAPLQEKVVFGLFFLGAILCLSFSWLFHTVYCHSEGVSRLFSKLDYSGIAL LIMGSFVPWLYYSFYCNPQPCFIYLIVICVLGIAAIVSQWDMFATPQYRGVRAGVFLG LGLSGIIPTLHYVISE GFLKAATIGQIGWLMLMASLYITGAALYAARIPERFFPGKCDIW FHSQFLFHIFVVAGAFVHFHGVSNLQEFRFM IGGGCSEEDAL
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay; Western Blot; Antibody Production; Protein Array

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto: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** ADIPOR2 adiponectin receptor 2 [ Homo sapiens (human) ]

**Official Symbol** ADIPOR2

**Synonyms** ADIPOR2; PAQR2; ACDCR2; adiponectin receptor 2; progestin and adipoQ receptor family member II

**Gene ID** 79602

**mRNA Refseq** NM\_024551

**Protein Refseq** NP\_078827

**MIM** 607946

**UniProt ID** Q86V24

**Chromosome Location** 12p13.31

**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](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA