

Recombinant Human ADIPOR2, GST-tagged

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

SPECIFICATION

Product Overview	Human ADIPOR2 full-length ORF (NP_078827.2, 1 a.a. - 386 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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.
Molecular Mass	70.3 kDa
AA Sequence	MNEPTENRLGCSRTPEPDIRLRKGHQLDGTRRGDNDSHQGDLEPILEASVLSSHKK KSSEEHEYSDEAPQEDEGF MGMSPLLQAHHAMEKMEEFVCKVWEGRWVIPHDV LPDWLKDNDFLLHGHRRPPMPSFRACFKSIFRIHTETGNIW THLLGCVFFLCLGIFYM FRPNISFVAPLQEKVVFGFLFLGAILCLSFSWLFHTVYCHSEGVSRLFSKLDYSGIAL LIMGSFVPWLYYSFYCNPQPCFIYLIVICVLGIAAIVSQWDMFATPQYRGVRAGVFLG LGLSGIIPTLHYVISE GFLKAATIGQIGWLMLMASLYITGAALYAARIPERFFPGKCDIW FHSQFLFHIFVVAGAFVHFHGVSNLQEFRFM IGGGCSEEDAL
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	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

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