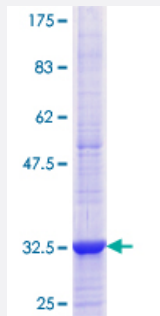


ADIPOR1 (Human) Recombinant Protein (Q01)

Catalog # H00051094-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADIPOR1 partial ORF (NP_057083.2, 72 a.a. - 136 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QAHHAMEKMEEFVYKVVWEGRWVIPYDVLDPDWLKDNDYLLHGHRRPPMPSFRACFKSIFRIHTETG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.89
Interspecies Antigen Sequence	Mouse (96); Rat (97)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ADIPOR1

Entrez GeneID [51094](#)

GeneBank Accession# [NM_015999](#)

Protein Accession# [NP_057083.2](#)

Gene Name ADIPOR1

Gene Alias ACD CR1, CGI-45, CGI45, FLJ25385, FLJ42464, PAQR1, TESBP1A

Gene Description adiponectin receptor 1

Omim ID [607945](#)

Gene Ontology [Hyperlink](#)

Gene Summary The adiponectin receptors, ADIPOR1 and ADIPOR2 (MIM 607946), 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 (Yamauchi et al., 2003 [PubMed 12802337]).[supplied by OMIM]

Other Designations OTTHUMP00000038805

Pathway

- [Adipocytokine signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cellulitis](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Fatty Liver](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hypertension](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Liver Diseases](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)