



Recombinant Human Adiponectin receptor protein 1 (ADIPOR1)

Product Code	CSB-CF001367HU
Relevance	Receptor for ADIPOQ, an essential hormone secreted by adipocytes that regulates glucose and lipid metabolism. Required for normal glucose and fat homeostasis and for maintaining a normal body weight. ADIPOQ-binding activates a signaling cascade that leads to increased AMPK activity, and ultimately to increased fatty acid oxidation, increased glucose uptake and decreased gluconeogenesis. Has high affinity for globular adiponectin and low affinity for full-length adiponectin
Abbreviation	Recombinant Human ADIPOR1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q96A54
Storage Buffer	Lyophilized from Tris/PBS-based buffer, 6% Trehalose
Product Type	Transmembrane Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	MSSHKGSVVAQGNAPASNREADTVELAELGPLLEEKGKRVIANPPKAE ^{EE} EQ TCPVPQEEEE ^{EE} VRVLTLPQAHAMEKMEEFVYK ^W EWGRWRVIPYD ^V LPDWL KDNDYLLHGHRPPMPSFRACFKSIFRIHTETGNIWTHLLGFV ^L FLFLGILTMLRP NMYFMAPLQEKVVFGMFFLGAVLCLSF ^S WLFHTVYCHSEKVSRTFSKLDYSGI ALLIMGSFVPWLYYSFYCSPQPRLIYLSIVCVL ^G ISAIIVAQWDRFATPKHRQTR AGVFLGLGLSGVVPTMHFTIAEGFVKATTVGQMGWFFLMAVMYITGAGLYAA RIPERFFPGKFDIWFQSHQIFHVLVVA ^A AFVHFYGVSNLQEF ^R YGLEGGCTDD TLL
Research Area	Cardiovascular
Source	in vitro E.coli expression system
Target Names	ADIPOR1
Protein Names	Progestin and adipoQ receptor family member I
Expression Region	1-375aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	62.6kDa

