

Recombinant Human ADIPOR1 protein, His/SUMO-tagged

Cat. No. ADIPOR1-626H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNASE1L3(1-375 aa) fused with His/SUMO tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-375 aa
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. Multiple alternatively spliced transcript variants have been found for this gene.
Form	Tris-based buffer, 50% glycerol
AA Sequence	MSSHKGSVVAQGNAPASNREADTVELAELGPLLEEKGKRVIANPPKAEETQCPV PQEE EEEVRVLTLPQAHAMEKMEEFVYKVVWEGRWVIPYDVLDPDWLKDNDYLL HGHRPPMPS FRACFKSIFRIHTETGNIWTHLLGFVLFVFLGILTMLRPNMYFMAPLQE KVVFGMFFLGA VLCLSFSWLFHTVYCHSEKVSRTFSKLDYSGIALLIMGSFVWPWLYY SFYCSPQPRLIYLS IVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLGLSGVVPTMH FTIAEGFVKATTVGQM GWFFLMAVMIYTGAGLYAARIPERFFPGKFDIWFQSHQIFH VLVVAADFVHFYGVSNLQE FRYGLEGGCTDDTLL

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	Store at -20 centigrade, for extended storage, conserve at -20 centigrade or -80 centigrade.
GENE INFORMATION	
Gene Name	ADIPOR1 adiponectin receptor 1 [Homo sapiens]
Official Symbol	ADIPOR1
Synonyms	ADIPOR1; adiponectin receptor 1; adiponectin receptor protein 1; ACDCR1; PAQR1; progestin and adipoQ receptor family member I; CGI45; CGI-45; TESBP1A; FLJ25385; FLJ42464;
Gene ID	51094
mRNA Refseq	NM_015999
Protein Refseq	NP_057083
MIM	607945
UniProt ID	Q96A54
Chromosome Location	1q32.1
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem;

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Function

hormone binding; identical protein binding; protein heterodimerization activity; protein kinase binding; receptor activity;

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