

Recombinant Full Length Human ADIPOR1 Protein, C-Flag-tagged

Cat. No. ADIPOR1-691HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ADIPOR1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42.4 kDa
AA Sequence	MSSHKGSVVAQGNAPASNREADTVLAEELGPLLEEKGKRVIANPPKAEEEQTCPV PQEEEEEVRLTLP LQAHHAMEKMEEFVYKVVWEGRWVPIPYDVLDPDWLKDNDYLL HGHRPPMPSFRACFKSIFRIHTETGNIWT HLLGFVLFVFLGILTMLRPNMYFMAPLQE KVVFGMFFLGAVLCLSFVWLFHTVYCHSEKVSRTFSKLDYS GIALIMGSFVPWLYY SFYCSPQPRLIYLSIVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLGLSGVV PTMH FTIAEGFVKATTVGQMGWFFLMAVMYITGAGLYAARIPERFFPGKFDIWFQSHQIFH

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	VLVVAAAFV HFYGVSNLQEFRYGLEGGCTDDTLLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Adipocytokine signaling pathway
Full Length	Full L.
GENE INFORMATION	
Gene Name	ADIPOR1 adiponectin receptor 1 [Homo sapiens (human)]
Official Symbol	ADIPOR1
Synonyms	CGI45; PAQR1; ACDCR1; CGI-45; TESBP1A
Gene ID	51094

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mRNA Refseq [NM_015999.6](#)

Protein Refseq [NP_057083.2](#)

MIM [607945](#)

UniProt ID [Q96A54](#)



Coomassie blue staining of purified ADIPOR1 protein.

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