

ADIPOR1 Protein, Human, Recombinant (His & Myc & SUMO)

General Information

Synonyms:	TESBP1A;PAQR1;Progesterin and adipoQ receptor family member I;ADIPOR1;Progesterin and adipoQ receptor family member 1;Adiponectin receptor protein 1
Protein Construction:	1-375 aa
Species:	Human
Expression Host:	in vitro E. coli
Accession:	Q96A54
Molecular Weight:	62.6 kDa (predicted)
AA Sequence:	MSSHKGSVVAQNGAPASNREADTVLAEGLPLEEKGKRVIANPPKAEETCPVPQEEEEVRLTLPLQA HHAMEKMEEFVYKVVWEGRWVIPYDVLDPDLKNDYLLHGHRRPMPSPFRACFKSIFRIHTETGNIWTHLLGF VLFLLGILTMLRPNMYFMAPLQEKVVFGMFFLGAVLCLSFWSLFWHTVYCHSEKVSRTFSKLDYSGIALLIMGSF VPWLYYSFYCSPQPRLIYLSIVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLGLSGVVPTMHFTIAEGFVKAT TVGQMGWFFLMAVMYITGAGLYAARIPERFFPGKFDIWFQSHQIFHVLVVAFAFVHFYGVSNLQEFRYGLEG GCTDDTLL

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Receptor for ADIPOQ, an essential hormone secreted by adipocytes that regulates glucose and lipid metabolism.

A DRUG SCREENING EXPERT

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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