

Datasheet for ABIN7559988

Adiponectin Receptor 1 Protein (ADIPOR1) (AA 1-375) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Adiponectin Receptor 1 (ADIPOR1)
Protein Characteristics:	AA 1-375
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Adiponectin Receptor 1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Adipor1 Protein expressed in mammalien cells.
Sequence:	MSSHKGSAGA QGNGAPSGNR EADTVLAEL GPLLEEKGKR AASSPAKAE DQACPVPQEE EEEVRVLTLP LQAHAMEKM EEFVYKVWEG RWRVIPYDVL PDWLKDNDYL LHGHRPPMPS FRACFKSIFR IHTETGNIWT HLLGFVLFLF LGILTMLRPN MYFMAPLQEK VVFGMFFLGA VLCLSFSWLF HTVYCHSEKV SRTFSKLDYS GIALIMGSF VPWLYYSFYC SPQPRLIYLS IVCVLGISAI IVAQWDRFAT PKHRQTRAGV FLGLGLSGVV PTMHFTIAEG FVKATTVGQM GWFFLMAVMY ITGAGLYAAR IPERFFPGKF DIWFQSHQIF HVLVAAAFV HFYGVSNLQE FRYGLEGGCT DDSLL Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
---------	---

Grade:	custom-made
--------	-------------

Target Details

Target:	Adiponectin Receptor 1 (ADIPOR1)
---------	----------------------------------

Alternative Name:	Adipor1 (ADIPOR1 Products)
-------------------	--

Background:	Adiponectin receptor protein 1 (Progestin and adipoQ receptor family member 1) (Progestin and adipoQ receptor family member I),FUNCTION: Receptor for ADIPOQ, an essential hormone secreted by adipocytes that regulates glucose and lipid metabolism (PubMed:17327425, PubMed:17268472, PubMed:24742672). Required for normal glucose and fat homeostasis and for maintaining a normal body weight (PubMed:17327425, PubMed:24742672). 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 (PubMed:12802337, PubMed:17327425, PubMed:17268472, PubMed:24742672). Has high affinity for globular adiponectin and low affinity for full-length adiponectin (PubMed:12802337). {ECO:0000269 PubMed:12802337, ECO:0000269 PubMed:17268472, ECO:0000269 PubMed:17327425, ECO:0000269 PubMed:24742672}.
-------------	---

Molecular Weight:	42.4 kDa
-------------------	----------

UniProt:	Q91VH1
----------	------------------------

Target Details

Pathways: [AMPK Signaling](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months