

## Product datasheet

# Recombinant Human Adiponectin Receptor 2/ADIPOR2 protein ab153509

[1 Image](#)

### Description

<b>Product name</b>	Recombinant Human Adiponectin Receptor 2/ADIPOR2 protein	
<b>Expression system</b>	Wheat germ	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	<p>MNEPTENRLGCSRTPEPDIRLRKGHQLDGTRRGDNDSHQ            GDLEPILEASV            LSSHKKKSSEEHEYSDEAPQEDEGFMGMSPLLQAHHAM            EKMEEFVCKVWE            GRWRVIPHDVLPDWLKDNDLLHHRPPMPSFRACFKSI            FRIHTETGNW            THLLGCVFFLCLGIFMFRPNISFVAPLQEKVVFGLFFLGAI            LCLSFSWL            FHTVYCHSEGVSRFLFSKLDYSGIALLIMGSFVPWLYYSFYC            NPQPCFML            MICVLGIAAIVSQWDMFATPQYRGVRAGVFLGLGLSGIIP            LHYVISE            GFLKAATIGQIGWLMLMASLYITGAALYAARIPERFFPGKCD            WFHSHQL            FHIFVVAGAFVHFHGVSNLQEFRFMIGGGCSEEDAL</p>	
<b>Amino acids</b>	1 to 386	
<b>Tags</b>	GST tag N-Terminus	

### Specifications

Our **Abpromise guarantee** covers the use of **ab153509** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	ELISA
	Western blot
<b>Form</b>	Liquid

## Additional notes

This product was previously labelled as Adiponectin Receptor 2.

## Preparation and Storage

### Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

### Function

Receptor for globular and full-length adiponectin (APM1), an essential hormone secreted by adipocytes that acts as an antidiabetic. Probably involved in metabolic pathways that regulate lipid metabolism such as fatty acid oxidation. Mediates increased AMPK, PPARA ligand activity, fatty acid oxidation and glucose uptake by adiponectin. Has some intermediate-affinity receptor activity for both globular and full-length adiponectin.

### Tissue specificity

Highly expressed in skeletal muscle, liver and placenta. Weakly expressed in brain, heart, colon, spleen, kidney, thymus, small intestine, peripheral blood leukocytes and lung.

### Sequence similarities

Belongs to the ADIPOR family.

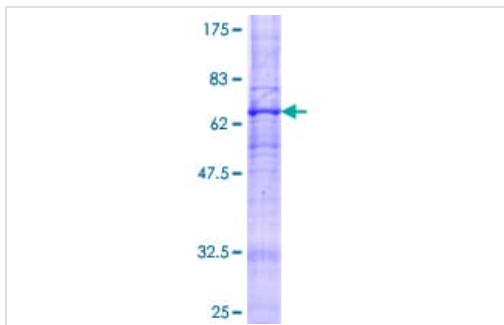
### Domain

The N-terminus is known to be cytoplasmic while the C-terminus is known to be extracellular.

### Cellular localization

Membrane. Localized to the cell membrane and intracellular organelles.

## Images



ab153509 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human Adiponectin  
Receptor 2/ADIPOR2 protein (ab153509)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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