

# Human ADIPOR1 Knockdown Cell Lysate

**Cat. No.** ADIPOR1-026HKCL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | WB-validated ADIPOR1 Knockdown HeLa Cell Lysate                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HeLa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | <p>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.</p> |
| <b>Form</b>             | Cell-Tissue Lysis buffer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 43 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Notes</b>            | <p>Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.</p>                                                                                                                                                                                                                 |
| <b>Storage</b>          | Store at -20 centigrade for two years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>    | Lot-specific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|                         |                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------|
| <b>Shipping</b>         | Blue Ice                                                                          |
| <b>Components</b>       | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ADIPOR1 KD HeLa cell lysate |
| <b>Protein Families</b> | Druggable Genome, Transmembrane                                                   |
| <b>Protein Pathways</b> | Adipocytokine signaling pathway                                                   |
| <b>Lysate QC</b>        | RT-qPCR; Western Blotting (WB)                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ADIPOR1 adiponectin receptor 1 [ Homo sapiens (human) ]                                                                                                                    |
| <b>Official Symbol</b> | ADIPOR1                                                                                                                                                                    |
| <b>Synonyms</b>        | ADIPOR1; adiponectin receptor 1; adiponectin receptor protein 1; ACDCR1; PAQR1; progestin and adipoQ receptor family member I; CGI45; CGI-45; TESBP1A; FLJ25385; FLJ42464; |
| <b>Gene ID</b>         | 51094                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_015999                                                                                                                                                                  |
| <b>Protein Refseq</b>  | NP_057083                                                                                                                                                                  |
| <b>MIM</b>             | 607945                                                                                                                                                                     |
| <b>UniProt ID</b>      | Q96A54                                                                                                                                                                     |

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