

Product datasheet for PH303907

Adiponectin Receptor 1 (ADIPOR1) (NM_015999) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | ADIPOR1 MS Standard C13 and N15-labeled recombinant protein (NP_057083) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC203907 |
| Predicted MW: | 42.6 kDa |
| Protein Sequence: | >RC203907 protein sequence Red=Cloning site Green=Tags(s) MSSHKGSVVAQNGAPASNREADTVLAEGLPLEEKGKRVIANPPKAEEEQTCVPVQEEEEVRLTLP LQAHAMEKMEEFVYKVWEGRWVIPYDVLDPWLKDNDYLLHGHRPPMPSFRACFKSIFRIHTETGNIWT HLLGFVLFVFLGILTMLRPNMYFMAPLQEKVVFGMFFLGAVLCLFSWLFHTVYCHSEKVSRTFSKLDYS GIALLIMGSFVPWLYSFCSPQRLIYLSIVCVLGISAIIVAQWDRFATPKHRQTRAGVFLGLGLSGVV PTMHFTIAEGFVKATTVGQMGWFFLMAVMYITGAGLYAARIPERFFPGKFDIWFQSHQIFHVLVVAAAFV HFYGVSNLQEFRYGLEGGCTDDTLL TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_057083 |
| RefSeq Size: | 2184 |
| RefSeq ORF: | 1125 |
| Synonyms: | ACDCR1; CGI-45; CGI45; PAQR1; TESBP1A |
| Locus ID: | 51094 |



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UniProt ID: [Q96A54](#)

Cytogenetics: 1q32.1

Summary: 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. [provided by RefSeq, Mar 2014]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Adipocytokine signaling pathway

Product images:



Coomassie blue staining of purified ADIPOR1 protein (Cat# [TP303907]). The protein was produced from HEK293T cells transfected with ADIPOR1 cDNA clone (Cat# [RC203907]) using MegaTran 2.0 (Cat# [TT210002]).