Datasheet for ABIN7564411

Adiponectin Receptor 2 Protein (ADIPOR2) (AA 1-386) (His tag)

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Overview

Quantity:	1 mg
Target:	Adiponectin Receptor 2 (ADIPOR2)
Protein Characteristics:	AA 1-386
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Adiponectin Receptor 2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Adipor2 Protein expressed in mammalien cells.
Sequence:	MNEPAKHRLG CTRTPEPDIR LRKGHQLDDT RGSNNDNYQG DLEPSLETPV CSSYYENSPE EPECHDDNSQ EDEGFMGMSP LLQAHHAMER MEEFVCKVWE GRWRVIPHDV LPDWLKDNDF LLHGHRPPMP SFRACFKSIF RIHTETGNIW THLLGCVFFL CLGIFYMFRP NISFVAPLQE KVVFGLFFLG AILCLSFSWL FHTVYCHSEG VSRLFSKLDY SGIALLIMGS FVPWLYYSFY CNPQPCFIYL IVICVLGIAA IIVSQWDMFA TPQYRGVRAG VFVGLGLSGI IPTLHYVISE GFLKAATIGQ IGWLMLMASL YITGAALYAA RIPERFFPGK CDIWFHSHQL FHIFVVAGAF VHFHGVSNLQ EFRFMIGGGC TEEDAL **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 mammalien 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 2 (ADIPOR2)
Alternative Name:	Adipor2 (ADIPOR2 Products)
Background:	Adiponectin receptor protein 2 (Progestin and adipoQ receptor family member 2) (Progestin and adipoQ receptor family member II),FUNCTION: Receptor for ADIPOQ, an essential hormone secreted by adipocytes that regulates glucose and lipid metabolism (PubMed:17327425, PubMed:17068142, PubMed:17268472, PubMed:24742672). Required for normal body fat and glucose homeostasis (PubMed:17327425, PubMed:17068142, PubMed:17268472, PubMed:24742672). ADIPOQ-binding activates a signaling cascade that leads to increased PPARA activity, and ultimately to increased fatty acid oxidation and glucose uptake (PubMed:12802337, PubMed:17268472, PubMed:24742672). Has intermediate affinity for globular and full-length adiponectin (PubMed:12802337). Required for normal revascularization after chronic ischemia caused by severing of blood vessels (PubMed:24742672). {ECO:0000269|PubMed:12802337, ECO:0000269|PubMed:17068142, ECO:0000269|PubMed:17268472, ECO:0000269|PubMed:17327425, ECO:0000269|PubMed:24742672}.
Molecular Weight:	44.0 kDa

Target Details

UniProt:	Q8BQS5
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