Datasheet for ABIN2745623

C19ORF80 Protein (DYKDDDDK Tag)

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Overview

Quantity:	3 x 10 µg
Target:	C19ORF80
Origin:	Mouse
Source:	CHO Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C19ORF80 protein is labelled with DYKDDDDK Tag.
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	ANGPTL8 [Betatrophin] (mouse) (rec.)
Cross-Reactivity:	Mouse
Characteristics:	Mouse ANGPTL8 [betatrophin] (16-198) is fused at the N-terminus to a FLAG®-tag.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.1EU/µg purified protein (LAL test).

Target Details

Target:	C19ORF80
Alternative Name:	ANGPTL8 [Betatrophin] (C19ORF80 Products)
Background:	Angiopoietin-like Protein 8, ANGPTL8, Lipasin, Refeeding-induced Fat and Liver Protein, RIFL, Betatrophin

Target Details

	ANGPTL8 (Angiopoietin-like protein 8, RIFL, Lipasin, Betatrophin) is a newly discovered secreted protein of 198 aa that was proposed to promote beta cell proliferation and improve glucose tolerance in mice. ANGPTL8 may also function in inhibition of lipase activity and on serum triglyceride regulation. ANGPTL8 is expressed in the liver and in white and brown adipose tissue of mice. In humans, ANGPTL8 is found to be predominantly expressed in the liver. ANGPTL8 levels are reduced by fasting and are elevated upon insulin resistance and during pregnancy. ANGPTL8, according to preliminary data could bind to the macrophage receptor Marco and also to RTN4R, a neuronal receptor. Recently, a study using ANGPTL8 KO mice showed that ANGPTL8 does not play a role in beta cell proliferation nor in glycemic control as previously thought, but regulates plasma triglyceride levels.
Molecular Weight:	~25kDa
UniProt:	Q8R1L8

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with 100 µL sterile water.
Concentration:	0.1 mg/mL
Buffer:	Contains PBS + 0.02 % CHAPS.
Handling Advice:	After reconstitution, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution. PBS containing at least 0.1 % BSA should be used for further dilutions.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Use & Stability: Stable for at least 6 months after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Expiry Date:	6 months