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Datasheet for ABIN7274748 GIP Protein (AA 22-85) (His tag)

Image



Overview

Quantity:	100 µg
Target:	GIP
Protein Characteristics:	AA 22-85
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GIP protein is labelled with His tag.

Product Details

Purpose:	Mouse GIP Protein
Sequence:	Glu22-Gln85
Characteristics:	Recombinant Mouse GIP Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Glu22-Gln85.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μ g by the LAL method.

Target Details

Target:	GIP
Alternative Name:	GIP (GIP Products)

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Target	Details
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Background:	The potential application of glucose-dependent insulinotropic polypeptide (gastric inhibitory	
	polypeptide, GIP) in the management of obesity and type 2 diabetes has been controversial.	
	Initial interest in the therapeutic use of GIP was dampened by evidence that its insulinotropic	
	activity was reduced in type 2 diabetes and by reports that it increased glucagon secretion and	
	adipose deposition in non-diabetic individuals.	
Molecular Weight:	8.7 kDa. Due to glycosylation, the protein migrates to 13-18 kDa based on Tris-Bis PAGE result.	
UniProt:	P48756	
Pathways:	Positive Regulation of Peptide Hormone Secretion, Peptide Hormone Metabolism, Hormone	
	Activity, Regulation of Lipid Metabolism by PPARalpha, Lipid Metabolism	

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

	MK	R
140KD 115KD	=	
80KD 70KD	=	
50KD	-	
40KD	-	
30KD 25KD	=	
15KD	-	
10KD		

SDS-PAGE

Image 1. Mouse GIP on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

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