

Datasheet for ABIN7274019
CGRP Protein (AA 26-141) (Fc Tag)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CGRP (CALCA)
Protein Characteristics:	AA 26-141
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CGRP protein is labelled with Fc Tag.

Product Details

Purpose:	Human CALCA/CGRP Protein
Sequence:	Ala26-Asn141
Characteristics:	Recombinant Human CALCA/CGRP Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ala26-Asn141.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CGRP (CALCA)
Alternative Name:	CALCA (CALCA Products)

Target Details

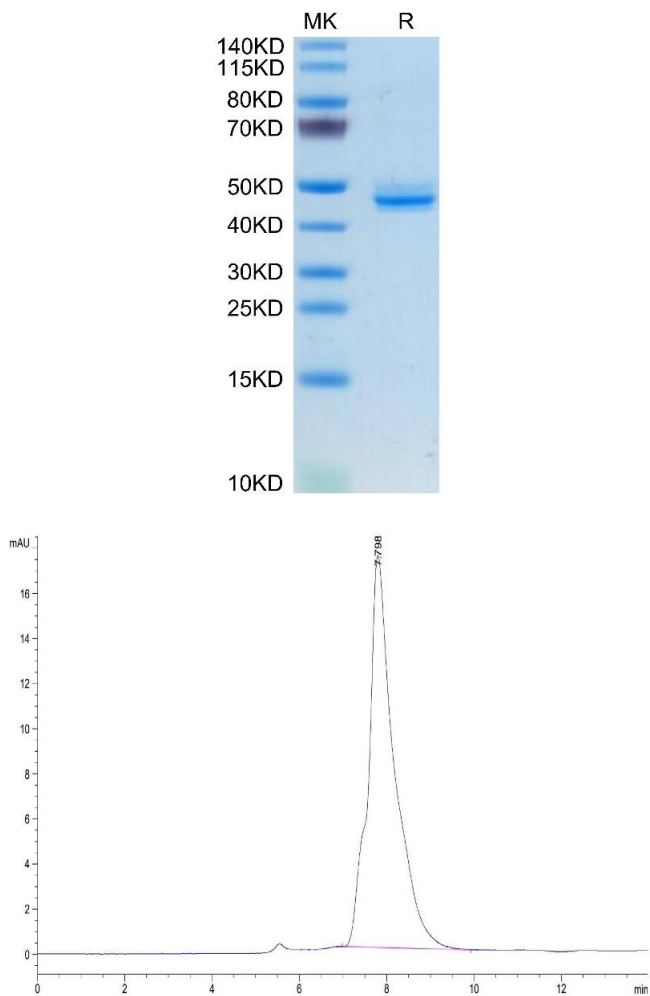
Background:	Specific fragments of methylation changes in the target gene (Calca) were identified by IGV analysis. CGRP was applied to compare the effects on ASCs-T2DM morphology via phalloidin staining, proliferation through CCK-8 assay, and osteogenic differentiation with osteogenic staining, qPCR, and repair of calvarial defect. Furthermore, 5-azacytidine (5-az) was used to intervene ASCs-T2DM to verify the relationship between the methylation level of the target fragment and expression of Calca.
Molecular Weight:	39.4 kDa. Due to glycosylation, the protein migrates to 45-48 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_001732
Pathways:	Hormone Activity , cAMP Metabolic Process , Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling , Skeletal Muscle Fiber Development , Feeding Behaviour

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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



SDS-PAGE

Image 1. Human CALCA/CGRP on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CALCA/CGRP is greater than 95 % as determined by SEC-HPLC.