

## Mouse CALCA/CGRP Protein

Cat. No. CAL-MM201



### Description

Source	Recombinant Mouse CALCA/CGRP Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Val26-Phe119.
Accession	NP_001029126.1
Molecular Weight	The protein has a predicted MW of 36.9 kDa. Due to glycosylation, the protein migrates to 42-46 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

### Formulation and Storage

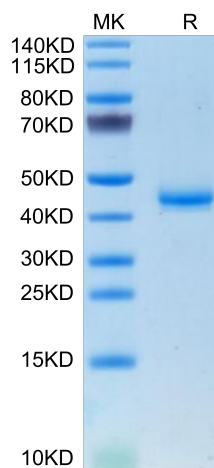
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

### 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.

### Assay Data

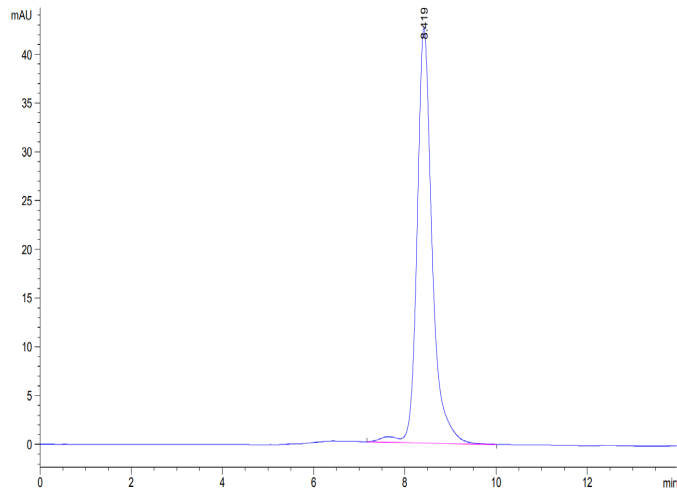
#### Tris-Bis PAGE



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

#### SEC-HPLC

Assay Data



The purity of Mouse CALCA is greater than 95% as determined by SEC-HPLC.