

Mouse CALCA/CGRP Protein

Cat. No. CAL-MM201

Description

Source	Recombinant Mouse CALCA/CGRP Protein is expressed from Expi293 with hFc tag at the C-terminal. It contains Val26-Asp119.
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 μ g by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

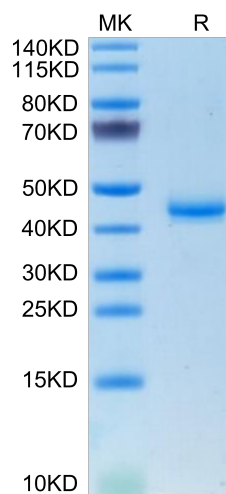
Formulation	Supplied as 0.22 μ m filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated 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.

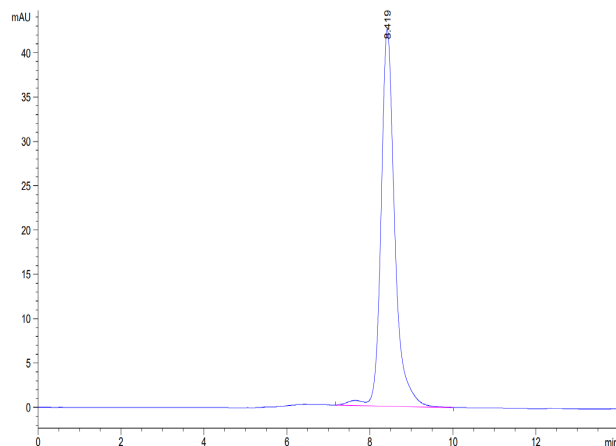
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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