

# Cynomolgus CSPG4/MCSP Protein

Cat. No. CSP-CM1P4

## Description

|                         |  |
|-------------------------|--|
| <b>Source</b>           | Recombinant Cynomolgus CSPG4/MCSP Protein is expressed from HEK293 with His tag at the C-Terminus.<br>It contains Ser1581-Ser2222.   |
| <b>Accession</b>        | A0A2K5UW71   |
| <b>Molecular Weight</b> | The protein has a predicted MW of 69.30 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Tris-Bis PAGE result. |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.  |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE<br>> 95% as determined by HPLC  |

## Formulation and Storage

|                       |   |
|-----------------------|---|
| <b>Formulation</b>    | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| <b>Reconstitution</b> | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.  |
| <b>Storage</b>        | -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

The chondroitin sulfate proteoglycan-4 (CSPG4) is a cell surface proteoglycan overexpressed in a huge range of human and canine neoplastic lesions by tumor cells, tumor microenvironment and cancer initiating cells. CSPG4 plays a central role in the oncogenic pathways required for malignant progression and metastatization.

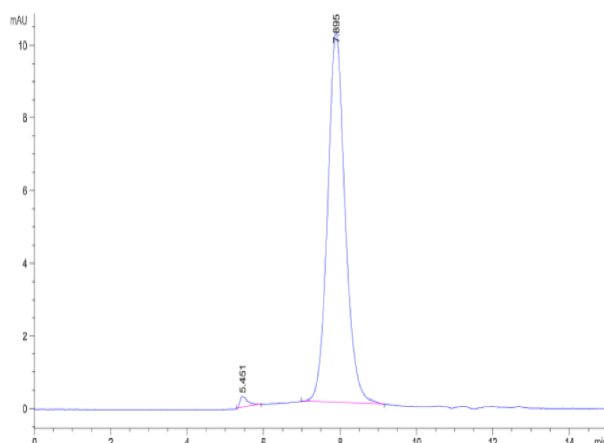
## Assay Data

### Tris-Bis PAGE



Cynomolgus CSPG4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Cynomolgus CSPG4 is greater than 95% as determined by SEC-HPLC.