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Datasheet for ABIN7454185
NG2 Protein (AA 1581-2222) (His tag)

Overview

Quantity:	100 µg
Target:	NG2 (MCSP)
Protein Characteristics:	AA 1581-2222
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NG2 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus CSPG4/MCSP Protein
Sequence:	Ser1581-Ser2222
Characteristics:	Recombinant Cynomolgus CSPG4/MCSP Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Ser1581-Ser2222.
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:	NG2 (MCSP)
Alternative Name:	CSPG4 (MCSP Products)

Target Details

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.
Molecular Weight:	69.30 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5JW71
Pathways:	Glycosaminoglycan Metabolic Process

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