

Rev02
 Update: Aug,08,2025
DATASHEET

CDCP1[Biotin], His & Avi, Rhesus macaque

Cat. No.: Z04688

Product Introduction

Species	Rhesus macaque
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> CDCP1 (Ala29-Thr667) Accession # XP_001114659.2 </div> <div style="background-color: #90d190; color: white; padding: 5px; text-align: center; margin: 0 5px;">His</div> <div style="background-color: #008000; color: white; padding: 5px; text-align: center; margin: 0 5px;">Avi</div> </div> <div style="display: flex; justify-content: space-between; width: 100%; font-size: small; margin-top: 5px;"> N-term C-term </div>
Conjugate	Biotin
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CDCP1[Biotin], His & Avi, Rhesus macaque at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml) can bind AntiCDCP1 Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	75 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 90-115 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
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 & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Tumor metastasis depends on the dynamic regulation of cell adhesion through β 1-integrin. The Cub-Domain Containing Protein-1, CDCP1, is a transmembrane glycoprotein which regulates cell adhesion. Overexpression and loss of CDCP1 have been observed in the same cancer types to promote metastatic progression.

Synonyms : CDCP1; CD318; SIMA135; TRASK; UNQ2486; PRO5773

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GenScript USA, Inc.

860 Centennial Ave. Piscataway, NJ 08854

Tel: 1-732-885-9188

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Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China

GenScript USA, Inc.

860 Centennial Ave. Piscataway, NJ 08854

Tel: 1-732-885-9188