

Rev03
 Update: Aug,08,2025

DATASHEET

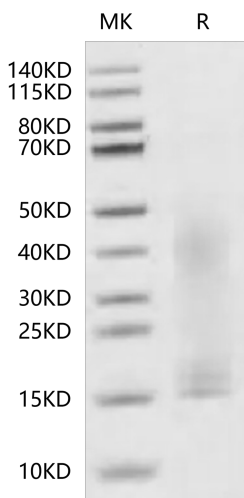
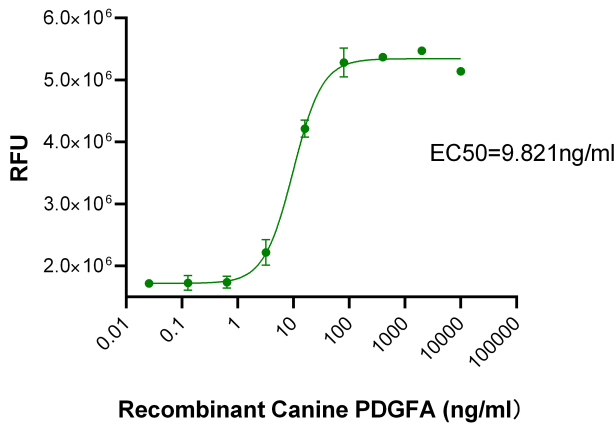
PDGFA, His, Canine

Cat. No.: Z04713

Product Introduction

Species	Canine
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #4a7c9c; color: white; padding: 5px; margin-right: 10px;">His</div> <div style="background-color: #0070c0; color: white; padding: 5px; border: 1px solid white;"> PDGFA (Ser87-Arg196) Accession # A0A8C0M6T8 </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 90% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured in a cell proliferation assay using Balb/C 3T3 mouse embryonic fibroblasts. The ED50 for this effect is 5 15 ng/mL. Test result was comparable to standard batch.
Expression System	Yeast
Theoretical Molecular Weight	13.62 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 15-20 kDa and 35-45 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in 4mM HCL.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in 4mM HCL.
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.

Examples



PDGFA, His, Canine on Bis-Tris PAGE under reduced condition.
 The purity is greater than 90%.

Background

Target Background : Platelet-derived growth factors (PDGFs) may play an important role in the development of atherosclerosis acting as chemoattractants and mitogens for vascular smooth muscle cells and macrophages. PDGFA, the most known member of PDGF family, plays a crucial role in occurrence and progression of different tumors.

Synonyms : PDGF-AA; PDGF-A; PDGF1; PDGF A; PDGFAA; PDGF AA

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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