

Rev03
 Update: Aug,08,2025

DATASHEET

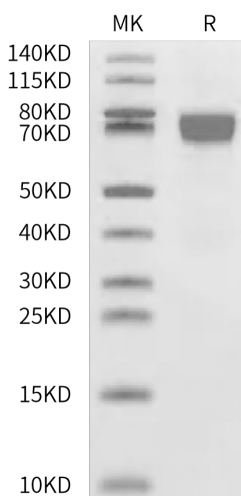
NPR1/NPRA, His, Cynomolgus

Cat. No.: Z04886

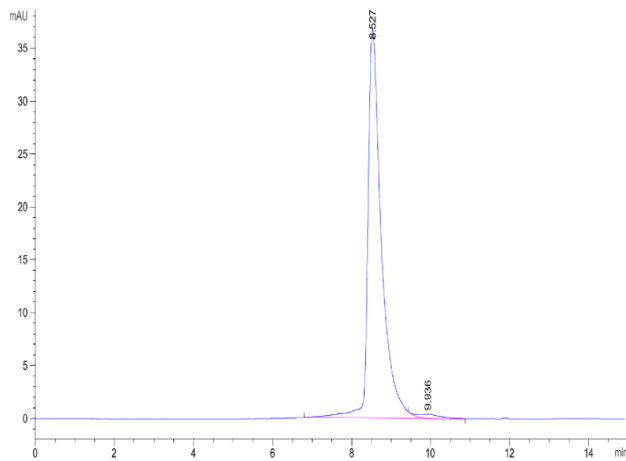
Product Introduction

Species	Cynomolgus
Protein Construction	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #0056b3; color: white; padding: 5px; font-size: 0.8em;"> NPR1/NPRA (Gly33-Glu473) Accession # XP_005541810.1 </div> <div style="background-color: #76923c; color: white; padding: 5px; font-size: 0.8em;"> His </div> </div> <div style="display: flex; justify-content: space-around; font-size: 0.7em; margin-top: 2px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 0.001EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	50.50 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 60-80 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22 µm 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.

Examples



NPR1/NPRA, His, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of NPR1/NPRA, His, Cynomolgus is greater than 95% as determined by SEC-HPLC.

Background

Target Background : NPR1 (natriuretic peptide receptor 1), a receptor of ANP (atrial natriuretic peptide) which acting through NPR1, provokes hypotension. NPR1 was abundantly expressed in endothelial cells and smooth muscle cells of small arteries and arterioles. NPR1 plays a crucial role in ANP-mediated blood pressure regulation, presumably by a mechanism that is RGS2-dependent in the acute phase and RGS2-independent in the chronic phase.

Synonyms : ANP-A; ANPR-A; NPR-A; GC-A; ANPRA

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

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