

Datasheet for ABIN7491319

**NPR2 Protein (AA 23-458) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	NPR2
Protein Characteristics:	AA 23-458
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPR2 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human ANPRB Protein with C-terminal 6xHis tag
Specificity:	ANPRB (Arg23-Ile458) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	NPR2
Alternative Name:	ANPRB ( <a href="#">NPR2 Products</a> )
Background:	This gene encodes natriuretic peptide receptor B, one of two integral membrane receptors for

## Target Details

natriuretic peptides. Both NPR1 and NPR2 contain five functional domains: an extracellular ligand-binding domain, a single membrane-spanning region, and intracellularly a protein kinase homology domain, a helical hinge region involved in oligomerization, and a carboxyl-terminal guanylyl cyclase catalytic domain. The protein is the primary receptor for C-type natriuretic peptide (CNP), which upon ligand binding exhibits greatly increased guanylyl cyclase activity. Mutations in this gene are the cause of acromesomelic dysplasia Maroteaux type. [provided by RefSeq, Jul 2008]

Molecular Weight: predicted molecular mass of 49.3 kDa after removal of the signal peptide.

UniProt: [P20594](#)

## Application Details

Restrictions: For Research Use only

## Handling

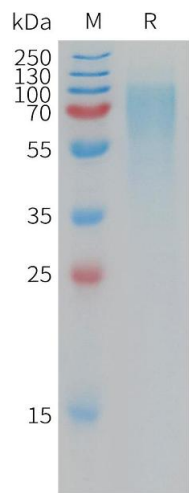
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

**Image 1.** Human ANPRB Protein, His Tag on SDS-PAGE under reducing condition.