

## **PRODUCT INFORMATION**

ANPRB **Target** 

AMDM;ANPb;NPR2;ECDM;GC-B;GCB;GUC2B;GUCY2B;NPRB;NPRBi;SNSK **Synonyms** 

Description Recombinant Human ANPRB Protein with C-terminal 6×His tag

**Delivery** P20594 **Uniprot ID Expression Host HEK293** C-6×His Tag

Molecular Characterization ANPRB(Arg23-Ile458) 6×His tag

The protein has a predicted molecular mass of 49.3 kDa after removal **Molecular Weight** 

of the signal peptide.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. **Purity** 

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Formulation & Reconstitution

Store at -20°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 Storage & Shipping

proteins are shipped at ambient temperature.

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This gene encodes natriuretic peptide receptor B, one of two integral membrane receptors for 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]

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Usage Research use only Conjugate Unconjugated

**Background** 





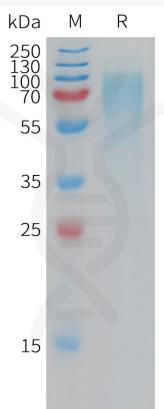


Figure 1. Human ANPRB Protein, His Tag on SDS-PAGE under reducing condition.

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