

HUMAN ANPRB PROTEIN, HIS TAG

Cat.#: 11856

Product Name: Human ANPRB Protein

Size: 10 µg, 50 µg and 100 µg

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

Target: ANPRB

UNIPROT ID: P20594

Description: Recombinant Human ANPRB Protein with C-terminal 6xHis tag

Background: 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]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 49.3 kDa after removal of the signal peptide.

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

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

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: 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.

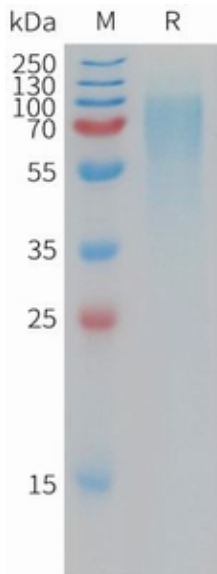


Figure 1. Human ANPRB Protein, His Tag on SDS-PAGE under reducing condition.