

32-18136: Recombinant Human ANPRB Protein, His Tag

Uniprot ID : P20594

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

Description

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

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

Description: Recombinant Human ANPRB Protein with C-terminal 6Å—His tag

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.

Product Info

Amount : 100 µg / 50 µg

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

Storage condition : 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.