

Product datasheet for AR03036PU-N

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Natriuretic peptides B (27-134, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Natriuretic peptides B (27-134, His-tag) human recombinant protein, 0.1 mg

Species: Human E. coli **Expression Host:**

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MHPLGSPGSA SDLETSGLQE QRNHLQGKLS ELQVEQTSLE PLOESPRPTG VWKSREVATE GIRGHRKMVL YTLRAPRSPK MVOGSGCFGR KMDRISSSSG or AA Sequence:

LGCKVLRRH

Tag: His-tag Predicted MW: 14 kDa Concentration: lot specific

Purity: >90% by SDS-PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: Phosphate-Buffered Saline (pH 7.4), 40% glycerol, 2 mM DTT, 0.1 mM PMSF, 1

mM EDTA

Endotoxin: < 1.0 EU per 1 µg of protein (determined by LAL method)

Preparation: Liquid purified protein

Protein Description: Recombinant human BNP, fused to His-tag at N-terminus, was expressed in E.coli and

purified by using conventional chromatography techniques.

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Storage:

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 002512

Locus ID: 4879 UniProt ID: P16860 Cytogenetics: 1p36.22

Synonyms: BNP; Iso-ANP





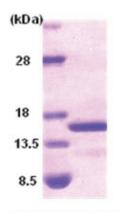
Summary:

This gene is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. The protein undergoes two cleavage events, one within the cell and a second after secretion into the blood. The protein's biological actions include natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion, and a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure. The presence of myocardial injury is a significant predictor of mortality in hospitalized coronavirus disease 2019 (COVID-19) patients, and there is evidence of increased levels of natriuretic peptide B in hospitalized non-survivor COVID-19 patients. The protein also acts as an antimicrobial peptide with antibacterial and antifungal activity. Mutations in this gene have been associated with postmenopausal osteoporosis. [provided by RefSeq, Aug 2020]

Protein Families:

Druggable Genome, Secreted Protein, Stem cell - Pluripotency

Product images:



15 % SDS-PAGE (3 µg)