

BNP recombinant protein

BNP, 27-134aa, Human, His tag, E Coli

CATALOG # AAA48505	HOST E Coli	APPLICATIONS SDS-Page
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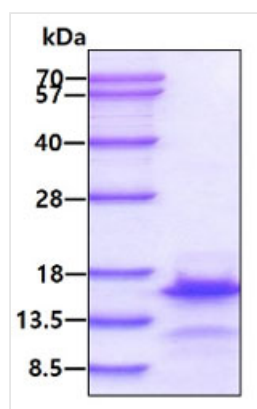
PRODUCT SYNONYMS

BNP; 27-134aa; Human; His tag; E Coli; Brain natriuretic peptide (type B natriuretic peptide); NPPB; GC-B; Brain natriuretic peptide (type B natriuretic peptide) Gamma brain natriuretic peptide; Natriuretic peptide precursor B; Natriuretic peptides B; ; BNP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid In phosphate-buffered saline (pH 7.4), 40%glycerol, 2mM DTT, 0.1mM PMSF, 1mM EDTA
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MHPLGSPGSA SDLETSGLQE QRNHLQGKLS ELQVEQTSLE PLQESPRPTG VWKSREVATE GIRGHRKMVL YTLRAPRSPK MVQSGSGCFGR KMDRISSSSG LGCKVLRH
Sequence Length	134
Applicable Applications for BNP recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Domain	27-134aa
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C or -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for BNP recombinant protein	BNP (Brain natriuretic peptide) is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. BNP is a 32 amino acid polypeptide and is co-secreted along with a 76 amino acid N-terminal fragment which is biologically inactive. This protein has biological actions including natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion. It is thought to play a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure. Recombinant human BNP, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for BNP recombinant protein	Hormones & Cytokines
References	Harada H., et al. (1989) Cell. 58 (4):729-739 ; Matsuyama T., et al. (1993) Cell 75 (1):83-97;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505433
NCBI GeneID	4879
NCBI Accession #	NP_002512
NCBI GenBank Nucleotide #	NM_002521.2
UniProt Accession #	P16860; Q6FGY0; Q9P2Q7; B0ZBE9
Molecular Weight	14 kDa (129 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	natriuretic peptides B preproprotein
NCBI Official Synonym Full Names	natriuretic peptide B
NCBI Official Symbol	NPPB
NCBI Official Synonym Symbols	BNP
NCBI Protein Information	natriuretic peptides B
UniProt Protein Name	Natriuretic peptides B
UniProt Gene Name	NPPB
UniProt Synonym Gene Names	BNP(1-32); BNP-32

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.