

Recombinant Human BNP protein ab151881

2 References

描述

产品名称	重组人BNP蛋白
纯度	> 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. ab151881 is supplied as a 0.2 µm filtered solution.
内毒素水平	< 1.000 Eu/µg
表达系统	Escherichia coli
Accession	<u>P16860</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	HPLGSPGSASDLETSGLQEQRNHLQGKLSSELQVEQTSLEPLQ ESPRPTGV WKSREVATEGIRGHRKMVLYTLRAPRSPKMOVQSGGCFGRKMD RISSSSGL GCKVLRH
预测分子量	12 kDa
氨基酸	27 to 134
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab151881** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE HPLC
形式	Liquid

制备和贮存

稳定性和存储 Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 7.40

Constituents: 79% Phosphate Buffer, 0.02% DTT, 0.03% EDTA, 20% Glycerol, 0.88% Sodium chloride

常规信息

相关性 Brain natriuretic peptide (BNP) circulates in blood as a peptide hormone with natriuretic, vasodilatory and renin inhibitory properties. BNP is secreted predominantly by the left ventricular myocytes in response to volume expansion and pressure overload. BNP belongs to a family of structurally similar peptide hormones, which includes atrial natriuretic peptide (ANP), BNP, C type natriuretic peptide (CNP) and urodilatin. These peptides are characterized by a common 17 amino acid ring structure with a disulfide bond between two cysteine residues. This ring structure shows high homology between different natriuretic peptides (eleven of the 17 amino acid residues are homologous in the ring of each of the natriuretic peptides). BNP is a 32 amino acid peptide with disulfide bond between the cysteine residues Cys10 and Cys26. In earlier studies it has been demonstrated that BNP concentration in blood increases with the severity of congestive heart failure. Quantitative measurement of BNP in blood provides an objective indicator of congestive heart failure severity.

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