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32-6510: NPPA Human

Alternative Name : Natriuretic peptides A, CDD-ANF, Cardiodilatin, CDD, Cardiodilatin-related peptide, CDP, N-terminal proatrial natriuretic peptide, ANP, PND.Â

Description

Source: Escherichia Coli.
Filtered White lyophilized (freeze-dried) powder.
Natriuretic Peptide A (NPPA) is a part of the natriuretic peptide family and is involved Â in cardiovascular homeostasis through regulation of natriuresis, diuresis, and vasodilation. NPPA is synthesized as a great precursor which releases a peptide from the N-terminus with similarity to vasoactive peptide, cardiodilatin, and another peptide from the C-terminus with natriuretic-diuretic activity. In female pregnancy, NPPA is promoting trophoblast invasion and spiral artery remodeling in uterus. Â
NPPA Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 26-123) containing 106 amino acids including an 8 a.a N-terminal His tag. The total molecular mass is 11.7kDa (calculated).Â

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	NPPA filtered (0.4 µm) and lyophilized from 0.5mg/ml in 20 mM Tris buffer, 50 mM NaCl and 5% w/v trehalosa, pH 7.5.
Storage condition :	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. NPPA is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid :	MKHHHHHHNP MYNAVSNADL MDFKNLLDHL EEKMPLEDEV VPPQVLSEPN EEAGAALSPL PEVPPWTGEV SPAQRDGGAL GRGPWDSSDR SALLKSKLRA LLTAPR.

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