9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

NPPA Human

Natriuretic Peptide A Human Recombinant
CYK0485

Product Overview

Name	NPPA Human
Description	
Natriuretic Peptide A Human Recombinant	
Accession (Primary)	P01160
Synonyms	
Natriuretic peptides A, CDD-ANF, Cardiodilatin, CDD, Cardiodilatin-related peptide, CDP, N-terminal proatrial natriuretic peptide, ANP, PND.	
Introduction	
Natriuretic Peptide A (NPPA) is a part of the natriuretic peptide family and is involved 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
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.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHH NP MYNAVSNADL MDFKNLLDHL EEKMPLEDEV VPPQVLSEPN EEAGAALSPL PEVPPWTGEV SPAQRDGGAL GRGPWDSSDR SALLKSKLRA LLTAPR.	

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Solubility

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.

Precautions

NPPA Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01160)