NKMAXBIO We support you, we believe in your research

Recombinant human Neurokinin B protein

Catalog Number: ATGP0362

PRODUCT INFORMATION

Expression system

E.coli

Domain

17-121aa

UniProt No.

O9UHF0

NCBI Accession No.

NP 037383

Alternative Names

ZNEuROK1, Neuromedin K, Tachykinin3, TAC3, NKB, NKNB, Gamma tachykinin 3, Neurokinin B like protein, Neurokinin B protein, Neurokinin B protein, Neurokinin B, Preprotachykinin B, Preprotachykinin B, Preprotachykinin B, Preprotachykinin B, Preprotachykinin 3, Tachykinin 3, Tachykinin 3, ZNEuROK 1.

PRODUCT SPECIFICATION

Molecular Weight

13.8 kDa (125aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Neurokinin B, a member of the substance P-related tachykinin family, was previously known to be present in the same hypothalamic neurons as kisspeptin. This protein and its receptor are critical switches of regulator of human puberty, governed by the brain through the release of the hormone GnRH (gonadotropin-releasing hormone) which starts a series of processes that ultimately leads to the production of sex hormones. Many



NKMAXBio We support you, we believe in your research

Recombinant human Neurokinin B protein

Catalog Number: ATGP0362

studies suggest new approaches to the pharmacological control of human reproduction and sex hormone-related diseases. Recombinant human Neurokinin B, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

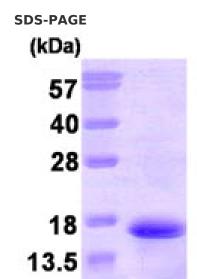
Amino acid Sequence

< MGSSHHHHHH SSGLVPRGSH M>QSFGAVCKE PQEEVVPGGG RSKRDPDLYQ LLQRLFKSHS SLEGLLKALS QASTDPKEST SPEKRDMHDF FVGLMGKRSV QPDSPTDVNQ ENVPSFGILK YPPRAE

General References

Topaloglu AK., et al. (2009). Nat Genet. 41(3):354-8 Rance NE., et al. (2009). Peptides. 30(1):111-22.

DATA



15% SDS-PAGE (3ug)

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

