

**Neurokinin B, 17-121 aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP03146**

3th Edition

**Synonyms:**ZNEUROK1, Neuromedin K, Tachykinin3. TAC3, NKB, NKNB

**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 (gonadotropinreleasing hormone) which starts a series of processes that ultimately leads to the production of sex hormones.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

**Molecular Weight:**13.8 kDa (125aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHQSFGAVCKEPQEEVVPGGGRSKRDPDLYQLLQRLFKSHSSLEGLLKALSQASTD  
PKESTSPEKRDMDHDFVGLMGKRSVQPDSPTDQENVPSFGILKYPPRAE

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.