

TAC1, 20-129aa, Human, His tag, E.coli

Cat.NO.: TP04131

3th Edition

Synonyms:Protachykinin-1, Protachykinin 1, 4930528L02Rik, NK-1, NK1, Nka, Nkna, Neurokinin 2, Neurokinin A, Neurokinin alpha, Neuromedin L, Neuropeptide K, Substance P, Tachykinin precursor 1

Description:TAC1, also known as protachykinin 1, is a member of the tachykinin peptide hormone family. TAC1 are a family of peptides that have similar biologic activities and share a common C-terminal sequence, phe-X-gly-leu-met-NH₂, but have distinct N-terminal sequences that convey receptor specificities. TAC1 is thought to function as neurotransmitters which interact with nerve receptors and smooth muscle cells. It is known to induce behavioral responses and function as vasodilators and secretagogues. Recombinant human TAC1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 2M Urea

Molecular Weight:15.6 kDa (135aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMEEIGANDDLNYWSDWYDSDQIKEELPEPFEHLLQRIARRPKPQQFFGLM
GKRDADSSIEKQVALLKALYGHGQISHKRHKTD SFVGLMGKRALNSVAYERSAMQNYERRR

Purity:> 95% by HPLC

Concentration:1.0 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.