9051 Mira Mesa Blvd, #910094
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TAC1 Human

Tachykinin-1 Human Recombinant
RCP2310

Product Overview

Name	TAC1 Human
Description	
Tachykinin-1 Human Recombinant	
Accession (Primary)	P20366
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.	
Introduction	
Tachykinin-1 (TAC1) belongs to the tachykinin peptide hormone family. TAC1 are a family of peptides which have similar biologic activities and share a common C-terminal sequence, phe-X-gly-leu-met-NH2, however they have distinct N-terminal sequences that convey receptor specificities. TAC1 is assumed to act as neurotransmitters which interact with nerve receptors and smooth muscle cells. TAC1 induces behavioral responses and serves as vasodilators and secretagogues.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
TAC1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 2M Urea.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSHM EEIGA NDDLNYWSDW YDSDQIKEEL PEPFEHLLQR IARRPKPQQF FGLMGKRDAD SSIEKQVALL KALYGHGQIS HKRHKTDSFV GLMGKRALNS VAYERSAMQN YERRR.	
Precautions	

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TAC1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P20366)