

Product datasheet for **AR50703PU-S**

Protachykinin-1 (TAC1) (20-129, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Protachykinin-1 (TAC1) (20-129, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHEEIGA NDDLNYWSDW YSDQIKEEL PEPFEHLLQR IARRPKPQQF FGLMGKRDAD SSIEKQVALL KALYGHGQIS HKRHKTDSEV GLMGKRALNS VAYERSAMQN YERRR
Tag:	His-tag
Predicted MW:	15.6 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 2M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human TAC1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_003173
Locus ID:	6863
UniProt ID:	P20366
Cytogenetics:	7q21.3
Synonyms:	Hs.2563; NK2; NKNA; NPK; TAC2



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Summary:

This gene encodes four products of the tachykinin peptide hormone family, substance P and neurokinin A, as well as the related peptides, neuropeptide K and neuropeptide gamma. These hormones are thought to function as neurotransmitters which interact with nerve receptors and smooth muscle cells. They are known to induce behavioral responses and function as vasodilators and secretagogues. Substance P is an antimicrobial peptide with antibacterial and antifungal properties. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2014]

Protein Families:

Druggable Genome, Secreted Protein

Product images: