

## Product datasheet for **TP721203XL**

### **TAC1 (NM\_003182) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human tachykinin, precursor 1 (TAC1), transcript variant beta
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	Glu20-Arg129
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	15.2 kDa
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Supplied as a 0.2 um filtered solution of 20mMTris-HCl,150mMNaCl,10%glycerol,2MUrea,1mMEDTA,pH8.0.
<b>Endotoxin:</b>	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
<b>Storage:</b>	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
<b>Stability:</b>	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_003173</a>
<b>Locus ID:</b>	6863
<b>UniProt ID:</b>	<a href="#">P20366</a>
<b>RefSeq Size:</b>	1188
<b>Cytogenetics:</b>	7q21.3
<b>RefSeq ORF:</b>	387
<b>Synonyms:</b>	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