

# Recombinant Human TAC1 Protein

Catalog No.: RP02859LQ **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	6863	P20366

### Tags

N-His

### Synonyms

Protachykinin-1; PPT; TAC1

## Product Information

Source	Purification
E.coli	> 95% by SDS-PAGE.

### Endotoxin

&lt;1EU/μg

### Formulation

Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, 2M Urea, 1mM EDTA, pH 8.0.

### Reconstitution

## Background

Protachykinin-1(TAC1) is a secreted protein and belongs to the tachykinin family. TAC1 is encoded by the TAC1 gene. 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.

## Basic Information

### Description

Recombinant Human TAC1 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Glu20-Arg129) of human TAC1 (Accession #NP\_003173.1) fused with a His tag at the N-terminus.

### Bio-Activity

### Storage

This product is stable at ≤ -70°C for up to 6 months from the date of receipt, stable for 3 months under sterile conditions after opening.

For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature, avoid freeze-thaw repeats.

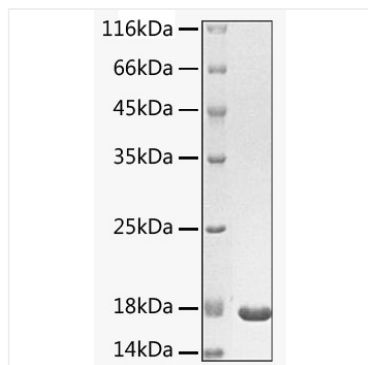
Avoid repeated freeze/thaw cycles.

## Contact

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## Validation Data

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Recombinant Human TAC1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 16-17 kDa.