

# Recombinant Human Protachykinin-1/TAC1 Protein (His Tag)



Catalog Number:PKSH032951

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

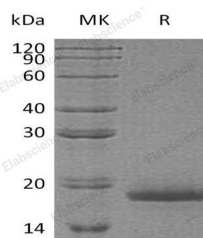
## Description

<b>Synonyms</b>	Protachykinin-1;PPT;TAC1
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Glu20-Arg129
<b>Accession</b>	P20366
<b>Calculated Molecular Weight</b>	15.2 kDa
<b>Observed molecular weight</b>	14-18 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, 2M Urea, 1mM EDTA, pH 8.0.
<b>Reconstitution</b>	Not Applicable

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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.

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