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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 % as determined by SDS-PAGE.

Calculated MW	Observed MW
15.2 kDa	14-18 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

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

Contact

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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

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃. This product is stable at ≤ -70℃ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.
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Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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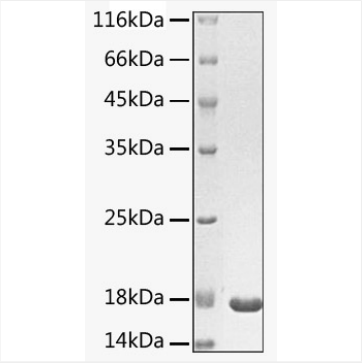
Validation Data



Recombinant Human TAC1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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