

TAC1 Protein, Human (His)

Cat. No.:	HY-P71128
Synonyms:	Protachykinin-1; PPT; TAC1
Species:	Human
Source:	E. coli
Accession:	P20366 (E20-R129)
Gene ID:	6863
Molecular Weight:	Approximately 15 kDa

PROPERTIES

AA Sequence	<p>E E I G A N D D L N Y W S D W Y D S D Q I K E E L P E P F E H L L Q R I A R R P</p> <p>K P Q Q F F G L M G K R D A D S S I E K Q V A L L K A L Y G H G Q I S H K R H K</p> <p>T D S F V G L M G K R A L N S V A Y E R S A M Q N Y E R R R</p>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 10% glycerol, 2 M Urea, 1 mM EDTA, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>The TAC1 protein, a member of the tachykinin family, serves as a key orchestrator of diverse physiological effects. Tachykinins, active peptides under the influence of TAC1, demonstrate the capacity to excite neurons, elicit behavioral responses, function as potent vasodilators and secretagogues, and induce the contraction of numerous smooth muscles, either directly or indirectly. TAC1's regulatory role in these multifaceted processes highlights its significance in modulating neuronal activity, behavior, vascular responses, and smooth muscle function, showcasing its integral role in various physiological pathways.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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