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Datasheet for ABIN2115475
TAC1 Protein (AA 20-129) (His tag)

Overview

Quantity:	50 µg
Target:	TAC1
Protein Characteristics:	AA 20-129
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TAC1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Protachykinin-1/TAC1 (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MEEIGANDDL NYWSDWYDSD QIKEELPEPF EHLQRIARR PKPQQFFGLM GKRDADSSIE KQVALLKALY GHGQISHKRH KTDSFVGLMG KRALNSVAYE RSAMQNYERR R
Characteristics:	Recombinant Human TAC1 is produced with our E. coli expression system. The target protein is expressed with sequence (Glu20-Arg129) of Human TAC1 fused with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	TAC1
Alternative Name:	Protachykinin-1/TAC1 (TAC1 Products)
Background:	<p>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.</p> <p>Synonyms: Protachykinin-1,PPT,TAC1</p>
Molecular Weight:	15.2 kDa
UniProt:	P20366

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0 (10 % glycerol 2M Urea).
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months