

# Recombinant Human Tachykinin-3/TAC3 Protein (His Tag)

Catalog Number:PKSH033098

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

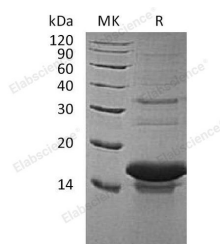
## Description

<b>Synonyms</b>	Tachykinin-3;ZNEUROK1;Neurokinin-B;NKB;Neuromedin-K;TAC3;NKNB;UNQ585/PRO1155
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Gln17-Glu121
<b>Accession</b>	Q9UHF0
<b>Calculated Molecular Weight</b>	13.9 kDa
<b>Observed molecular weight</b>	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>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Tachykinin 3 (TAC3) is a secreted protein that belongs to the Tachykinin family. Tachykinins are active peptides that excite neurons and evoke behavioral responses; they are potent vasodilators and secretagogues, and contract many smooth muscles in pregnancy. TAC3 is primarily expressed in the central and peripheral nervous systems and functions as a neurotransmitter. It is also expressed in the outer syncytiotrophoblast of the placenta and may be associated with pregnancy-induced hypertension and pre-eclampsia. TAC3 acts as the ligand for the neurokinin-3 receptor, mutations in this gene are associated with normosmic hypogonadotropic hypogonadism.

## For Research Use Only

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