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

Catalog Number: PKSH033098

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

Description

Species	Human
Source	E.coli-derived Human Tachykinin-3;TAC3 protein Gln17-Glu121, with an N-terminal His
Calculated MW	13.9 kDa
Observed MW	18 kDa
Accession	Q9UHF0
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data
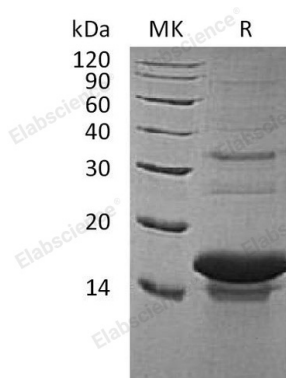
> 95 % as determined by reducing SDS-PAGE.

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.