



Recombinant Protein Technical Manual
Recombinant Human Tachykinin-3/TAC3 Protein
(His Tag)
RPES0550

Product Data:

Product SKU: RPES0550

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9UHF0

Protein Information:

Molecular Mass: 13.9 kDa

AP Molecular Mass: 16 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

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 TrisHCl, pH8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Tachykinin-3; ZNEUROK1; Neurokinin-B; NKB; Neuromedin-K; TAC3; NKNB; UNQ585/PRO1155

Immunogen Information:

Sequence: Gln17-Glu121

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.