

## Product datasheet for **TP305666**

### Neurokinin B (TAC3) (NM\_013251) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tachykinin 3 (TAC3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205666 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MRIMLLFTAILAFSLAQSGAVCKEPQEEVPPGGGRSKRDPDLYQLLQRLFKSHSSLEGLLKALSQASTD PKESTSPEKRDMHDFVGLMGKRSVQPDSPTDVNQENVPSFGILKYPPRAE
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	13.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_037383</a>
Locus ID:	6866
UniProt ID:	<a href="#">Q9UHF0</a> , <a href="#">A0A024RB47</a>
RefSeq Size:	841
Cytogenetics:	12q13.3



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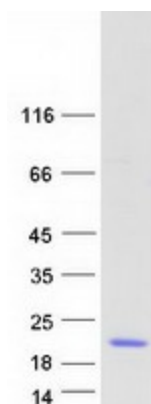
RefSeq ORF: 363

Synonyms: HH10; LncZBTB39; NK3; NKB; NKNB; PRO1155; ZNEUROK1

**Summary:** This gene encodes a member of the tachykinin family of secreted neuropeptides. The encoded preproprotein is proteolytically processed to generate the mature peptide, which is primarily expressed in the central and peripheral nervous systems and functions as a neurotransmitter. This peptide is the ligand for the neurokinin-3 receptor. This protein is also expressed in the outer syncytiotrophoblast of the placenta and may be associated with pregnancy-induced hypertension and pre-eclampsia. Mutations in this gene are associated with normosmic hypogonadotropic hypogonadism. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]

**Protein Families:** Druggable Genome, Secreted Protein

### Product images:



Coomassie blue staining of purified TAC3 protein (Cat# TP305666). The protein was produced from HEK293T cells transfected with TAC3 cDNA clone (Cat# [RC205666]) using MegaTran 2.0 (Cat# [TT210002]).