

## Product datasheet for PH305666

### Neurokinin B (TAC3) (NM\_013251) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TAC3 MS Standard C13 and N15-labeled recombinant protein (NP_037383)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205666
Predicted MW:	13.4 kDa
Protein Sequence:	>RC205666 protein sequence Red=Cloning site Green=Tags(s)  MRIMLLFTAILAFSLAQSFQAVCKEPQEEVPPGGGRSKRDPDLYQLLQRLFKSHSSLEGLLKALSQASTD PKESTSPEKRDMDHDFVGLMGKRSVQPDSDVDNQNVPSPFGILKYPPRAE  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_037383</a>
RefSeq Size:	841
RefSeq ORF:	363
Synonyms:	HH10; LncZBTB39; NK3; NKB; NKNB; PRO1155; ZNEUROK1
Locus ID:	6866
UniProt ID:	<a href="#">Q9UHF0</a> , <a href="#">A0A024RB47</a>
Cytogenetics:	12q13.3



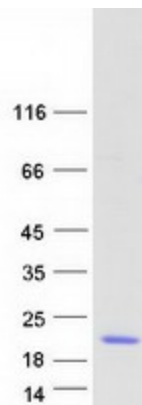
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**Summary:**

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]).