

Recombinant Human TAC3, His-tagged

Cat. No. TAC3-29652TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Neurokinin B with an N terminal His tag; 125 amino acids with a predicted MWt 13.8 kDa including tag.
Species	Human
Source	E.coli
ProteinLength	105 amino acids
Description	This gene encodes a member of the tachykinin family of secreted neuropeptides. The encoded protein is primarily expressed in the central and peripheral nervous system and functions as a neurotransmitter. This protein 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. Alternate splicing results in multiple transcript variants.
Conjugation	HIS
Molecular Weight	13.800kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 20% Glycerol
Storage	Please see Notes section
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHQSFGAVCKEPQEEVPPGGGR SKRDPDLYQLLQRL FKSHSSLEGLLKALSQASTDPKESTS PEKRDMHDFVGLMGKRSVQPDSPDVTNQ ENVPSFGILKY PPRAE
Sequence Similarities	Belongs to the tachykinin family.

GENE INFORMATION

Gene Name	TAC3 tachykinin 3 [Homo sapiens]
Official Symbol	TAC3
Synonyms	TAC3; tachykinin 3; neurokinin beta , neuromedin K , NKNB; tachykinin-3; NKB; ZNEUROK1;
Gene ID	6866
mRNA Refseq	NM_001178054
Protein Refseq	NP_001171525
MIM	162330
Uniprot ID	Q9UHF0
Chromosome Location	12q13-q21

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Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem;
Function	receptor binding;

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