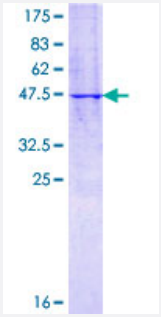
Full-Length

NTS (Human) Recombinant Protein (P01)

Catalog # H00004922-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NTS full-length ORF (NP_006174.1, 1 a.a. - 170 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MMAGMKIQLVCMLLLAFSSWSLCSDSEEEMKALEADFLTNMHTSKISKAHVPSWKMTLLNVCSL VNNLNSPAEETGEVHEEELVARRKLPTALDGFSLEAMLTIYQLHKICHSRAFQHWELIQEDILDTGN DKNGKEEVIKRKIPYILKRQLYENKPRRPYILKRDSYYY
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	46.2
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NTS

Entrez GeneID	4922
GeneBank Accession#	NM_006183.3
Protein Accession#	NP_006174.1
Gene Name	NTS
Gene Alias	NMN-125, NN, NT, NT/N, NTS1
Gene Description	neurotensin
Omim ID	162650
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a common precursor for two peptides, neuromedin N and neurotensin. Neurotensin is a secreted tridecapeptide, which is widely distributed throughout the central nervous system, and may function as a neurotransmitter or a neuromodulator. It may be involved in dopamine-associated pathophysiological events, in the maintenance of gut structure and function, and in the regulation of fat metabolism. Tissue-specific processing may lead to the formation in some tissues of larger forms of neuromedin N and neurotensin. The large forms may represent more stable peptides that are also biologically active. [provided by RefSeq
Other Designations	neuromedin N|neurotensin/neuromedin N

Pathway

- Neuroactive ligand-receptor interaction

Disease

- Anorexia Nervosa
- Bulimia
- Genetic Predisposition to Disease
- Mental Disorders
- Restless Legs Syndrome
- Tourette Syndrome