

Bioactive

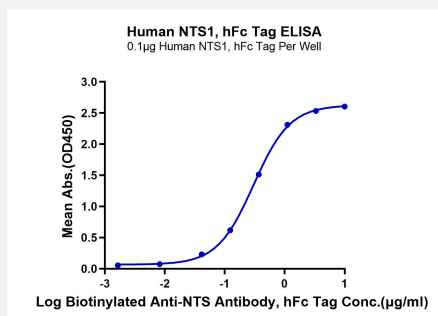
HuPro®

NTS (Human) Recombinant Protein

Catalog # P9840

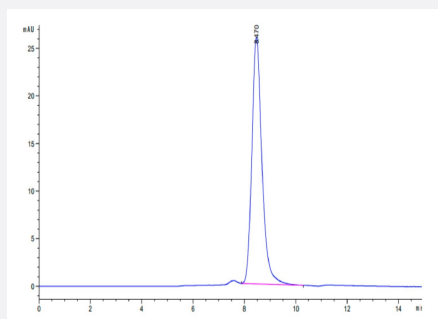
Size 100 ug

Applications



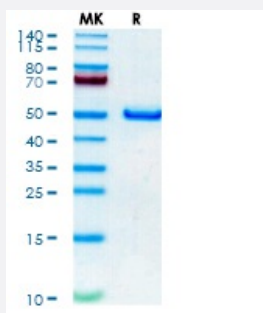
Enzyme-linked Immunoabsorbent Assay

Immobilized Human NTS1, hFc Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Anti-NTS Antibody, hFc Tag with the EC50 of 0.30 ug/mL determined by ELISA.



SEC-HPLC

The purity of Human NTS1 is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human NTS1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description

Human NTS (P30990, Ser24-Leu163) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.

Sequence	Ser24-Leu163
Host	Human
Theoretical MW (kDa)	42.9
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 0.30 ug/mL, measured by ELISA at 1 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human NTS1 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human NTS1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human NTS1, hFc Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Anti-NTS Antibody, hFc Tag with the EC₅₀ of 0.30 ug/mL determined by ELISA.

- Functional Study

- SDS-PAGE

Gene Info — NTS

Entrez GeneID	4922
Protein Accession#	P30990
Gene Name	NTS
Gene Alias	NMN-125, NN, NT, NT/N, NTS1
Gene Description	neurotensin
Omim ID	162650
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
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](#)