

Datasheet for ABIN7491109

Neurotensin Protein (NTS) (AA 24-148) (Fc Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Neurotensin (NTS)
Protein Characteristics:	AA 24-148
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neurotensin protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human NTS protein with C-terminal human Fc tag
Specificity:	NTS (Ser24-Leu148) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Neurotensin (NTS)
Alternative Name:	NTS (NTS Products)
Background:	This gene encodes a common precursor for two peptides, neuromedin N and neurotensin.

Target Details

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. Neurotensin also exhibits antimicrobial activity against bacteria and fungi. 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, Oct 2014]

Molecular Weight: predicted molecular mass of 40.4 kDa after removal of the signal peptide. The apparent molecular mass of NTS-hFc is 35-55 kDa due to glycosylation.

UniProt: [P30990](#)

Application Details

Restrictions: For Research Use only

Handling

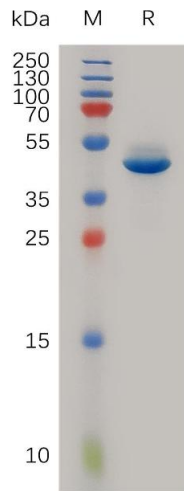
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human NTS Protein, hFc Tag on SDS-PAGE under reducing condition.