PRODUCT INFORMATION

Target	NTS
Synonyms	Neurotensin;neuromedin N
Description	Recombinant human NTS protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P30990
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	NTS(Ser24-Leu148) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 40.4 kDa after removal of the signal peptide. The apparent molecular mass of NTS-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	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. 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]
Usage	Research use only
Conjugate	Unconjugated

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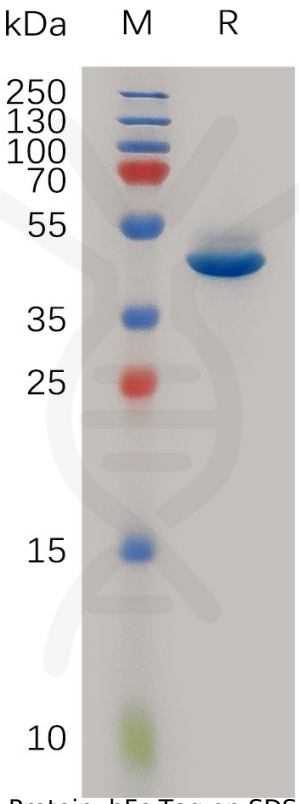


Figure 1. Human NTS Protein, hFc Tag on SDS-PAGE under reducing condition.

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