

Datasheet for ABIN7275375

Neurotensin Protein (NTS) (AA 24-163) (Fc Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Neurotensin (NTS)
Protein Characteristics:	AA 24-163
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Neurotensin protein is labelled with Fc Tag.

Product Details

Purpose:	Human NTS1 Protein
Sequence:	Ser24-Leu163
Characteristics:	Recombinant Human NTS1 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ser24-Leu163.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human NTS1, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-NTS Antibody, hFc Tag with the EC50 of 0.17µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	Neurotensin (NTS)
Alternative Name:	NTS1 (NTS Products)
Background:	Crystal structures of neurotensin receptor subtype 1 (NTS1) allowed us to visualize the binding mode of the endogenous peptide hormone neurotensin and its pharmacologically active C-terminal fragment NT(8-13) within the orthosteric binding pocket of NTS1.
Molecular Weight:	42.9 kDa. Due to glycosylation, the protein migrates to 48-53 kDa based on Tris-Bis PAGE result.
UniProt:	P30990

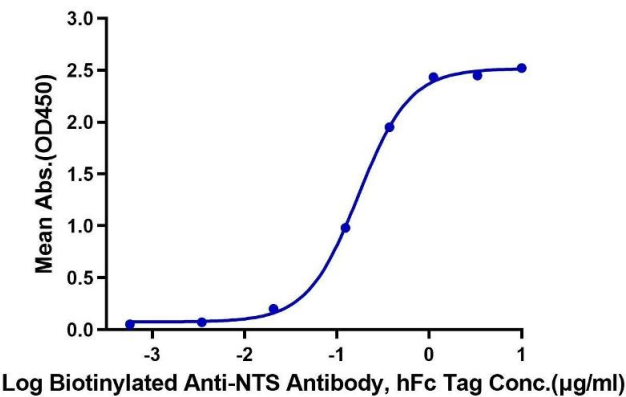
Application Details

Restrictions:	For Research Use only
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Handling

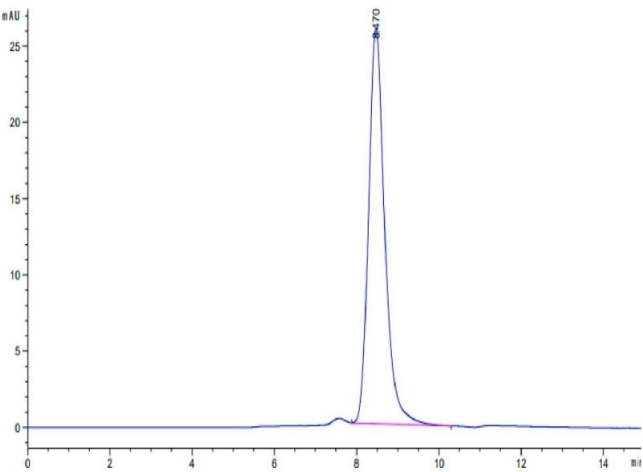
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Human NTS1, hFc Tag ELISA
0.1µg Human NTS1, hFc Tag Per Well



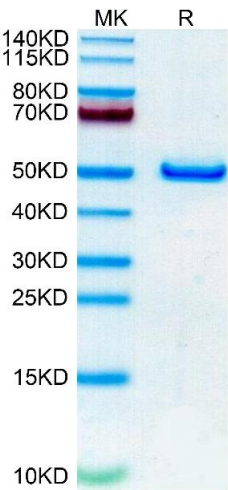
ELISA

Image 1. Immobilized Human NTS1, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-NTS Antibody, hFc Tag with the EC50 of 0.17 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human NTS1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human NTS1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .