

Human NT-3 Recombinant Protein, PeproTech®

Product Details

Size	10 µg
Species	Human
Published Species	Dog, Rat, Pig, Virus, Amphibian, Bovine, Human, Mouse, Chicken
Expression system	E. coli
Amino acid sequence	MYAEHKSHRG EYSVCDSESL WVTDKSSAID IRGHQVTVLG EIKTGNPVG QYFYETRCKE ARPVKNGCRG IDDKHWNSQC KTSQTYVRAL TSENNKLVGW RWIRIDTSCV CALSRKIGRT
Molecular weight	27.2 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	Determined by its ability to bind recombinant human TrkB Fc Chimera in a functional ELISA.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	2 Publications
Functional Assay (Functional)	Assay-dependent	2 Publications
In vitro Assay (IV)	-	186 Publications
Miscellaneous PubMed (Misc)	-	32 Publications

Product Specific Information

Recombinant Human NT-3 is a noncovalently linked homodimer of two 13.6 kDa polypeptide monomers (240 total amino acid residues).

This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

ELISA (2)

<p>Nature communications</p> <p>Laminin heparin-binding peptides bind to several growth factors and enhance diabetic wound healing.</p> <p>Authors: Ishihara J,Ishihara A,Fukunaga K,Sasaki K,White MJV,Briquez PS,Hubbell JA</p>	<p>Year</p> <p>2018</p>
<p>International journal of nanomedicine</p> <p>Coseeded Schwann cells myelinate neurites from differentiated neural stem cells in neurotrophin-3-loaded PLGA carriers.</p> <p>Authors: Xiong Y,Zhu JX,Fang ZY,Zeng CG,Zhang C,Qi GL,Li MH,Zhang W,Quan DP,Wan J</p>	<p>Year</p> <p>2012</p> <p>Species</p> <p>Rat</p>

Functional Assay (2)

<p>JCI insight</p> <p>Boosting peripheral BDNF rescues impaired in vivo axonal transport in CMT2D mice.</p> <p>"450-03 was used in In vivo experiments to suggest that selectively targeting muscles with BDNF-boosting therapies could represent a viable therapeutic strategy for CMT2D."</p> <p>Authors: Sleigh JN,Villarroel-Campos D,Surana S,Wickenden T,Tong Y,Simkin RL,Vargas JNS,Rhymes ER,Tosolini AP,West SJ,Zhang Q,Yang XL,Schiavo G</p>	<p>Year</p> <p>2023</p> <p>Species</p> <p>Mouse</p>
<p>Journal of neuroscience research</p> <p>Sustained release of neurotrophin-3 via calcium phosphate-coated sutures promotes axonal regeneration after spinal cord injury.</p> <p>"450-03 was used in In vivo experiments to demonstrate that PNGs serve as scaffolds for axonal growth after SCI and that CaP-coated sutures can efficiently release NT-3 to increase axonal regeneration."</p> <p>Authors: Hanna A,Thompson DL,Hellenbrand DJ,Lee JS,Madura CJ,Wesley MG,Dillon NJ,Sharma T,Enright CJ,Murphy WL</p>	<p>Year</p> <p>2016</p> <p>Species</p> <p>Rat</p>

More applications with references on thermofisher.cn

- IV (186)
- Misc (32)

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