

Recombinant Human Neurotrophin-3/NTF3 Protein

Catalog No. PKSH032803

Note: Centrifuge before opening to ensure complete recovery of vial contents.

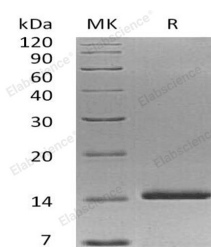
Description

Synonyms	Neurotrophin-3;NT-3;HDNF;Nerve Growth Factor 2;NGF-2;Neurotrophic Factor;NTF3
Species	Human
Expression Host	E.coli
Sequence	Tyr139-Thr 257
Accession	P20783
Calculated Molecular Weight	13.6 kDa
Observed molecular weight	14 kDa
Tag	None
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.01 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 250mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Neurotrophin-3 (NT-3) is a member of the NGF family of neurotrophic factors and is structurally related to β -NGF,

For Research Use Only

BDNF and NT-4. The NT3 cDNA encodes a 257 amino acid residue precursor protein with a signal peptide and a proprotein that are cleaved to yield the 119 amino acid residue mature NT3. The amino acid sequences of mature human, murine and rat NT-3 are identical. NT-3 selectively promotes the differentiation and survival of specific neuronal subpopulations in both the central as well as the peripheral nervous systems.