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## Product Datasheet

### Recombinant Human NT-3 EBT-EPT238

Article Name	Recombinant Human NT-3
Biozol Catalog Number	EBT-EPT238
Supplier Catalog Number	EPT238
Alternative Catalog Number	EBT-EPT238-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Neurotrophin-3 is produced by our E.coli expression system and the target gene encoding Tyr139-Thr257 is expressed....
Molecular Weight	Molecular weight: 13.6 KDa. Apparent molecular weight: 14 KDa, reducing conditions
UniProt	P20783
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.001 ng/ $\mu$ g (0.01 EU/ $\mu$ g) as determined by LAL test. Background: Neurotrophin-3 (NT-3) is a member of the NGF family of neurotrophic factors and is structurally related to beta-NGF, 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