**PRODUCT INFORMATION**

**Description:** Nerve Growth Factor is the first of a series of neurotrophic factors that were found to influence the growth and differentiation of sympathetic and sensory neurons. It is comprised of alpha, beta, and gamma subunits. The beta subunit is responsible for its growth stimulating activity. The synthesis of NGF in astrocytes is enhanced by various other cytokines: IL-1, TNF-alpha, PDGF and TGF-beta. Human recombinant nerve growth factor is expressed in *E. coli*.

**M. W.:** 13,267.1 Da

**Recombinant:** Expressed in *E. coli*

**Purity:** ≥95% as determined by SDS-PAGE.

**Activity:** The activity essay was measured in culture using the PC-12 cell line.

**PI:** 8.81 by Ioselectricfocusing

**Concentration:** 0.5mg/ml by BCA

**Component:** rh-Nerve Growth Factor-β, NaAc 30 mM, pH 5.5

**Endotoxin:** less than 10EU/mg as determined by LAL method

**Storage buffer:** Liquid. In PBS Buffer.

**Storage:** At 4°C for 6 months and -80°C for 2 years

**REFERENCES**


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