

Product Name: Recombinant Mouse Beta-NGF (110AA)
Catalog #: PEM0151

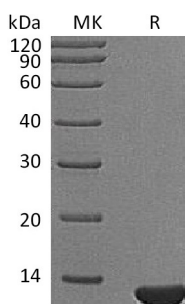


概述 (Summary)

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|-----------------------------|---|
| 英文全称 | beta-NGF/ β -Nerve Growth Factor/ β -NGF (Met130-Arg239) |
| 纯度 (Purity) | Greater than 95% as determined by reducing SDS-PAGE |
| 内毒素 (Endotoxin level) | <1 EU/ μ g as determined by LAL test. |
| 蛋白构建 (Construction) | Recombinant Mouse Beta-Nerve Growth Factor is produced by our E.coli expression system and the target gene encoding Met130-Arg239 is expressed. |
| Accession # | P01139 |
| 蛋白标签 (Tag) | |
| 表达宿主 (Host) | E.coli |
| 种属 (Species) | Mouse |
| 预测分子量 (Predicted MW) | 12.4 KDa |
| 蛋白形态 (Form) | Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 200mM NaCl, pH 8.0. |
| 储存缓冲液 (Buffer) | |
| 运输方式 (Shipping) | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| 稳定性&储存 (Stability &Storage) | Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months. |
| 复溶 (Reconstitution) | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

电泳图 (SDS-PAGE image)

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背景 (Background)

分子别名 (Alternative Names)

Beta-Nerve Growth Factor; Beta-NGF; NGF; NGFB; β -NGF

背景介绍 (References)

NGF is the first member discovered in the Neurotrophin family, which includes brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3), and neurotrophin-4 (NT-4). These proteins belong to the cysteine-knot family of growth factors that assume stable dimeric structures. Mouse beta -NGF is a homodimer of two 120 amino acid polypeptides. It shares approximately 90% homology at the amino acid level with human beta -NGF and 95.8% with rat beta -NGF. NGF signaling has been shown to play an important role in neuroprotection and repair. β -NGF acts as a growth and differentiation factor for B lymphocytes, and enhances B-cell survival. It is a potent neurotrophic factor that signals through its receptor β -NGFR, and plays a crucial role in the development and preservation of the sensory and sympathetic nervous systems.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.