

Pro-Nerve Growth Factor Human Recombinant

Item Number	rAP-2656
Synonyms	Human Pro-NGF, ProNGF, NGFB.
Description	Pro NGF is the pro-form of the neurotrophin nerve growth factor. Like the mature protein pro NGF is characterized by the cysteine knot motif consisting of three cysteine bridges. The protein predominantly exists as a non-covalently linked homodimer. Pro-Nerve Growth Factor Human Recombinant produced in E.Coli is
Uniprot Accession Number	P01138
Amino Acid Sequence	MEPHSESNVPAGHTIPQVHWTKLQHSLDTALRRARSAPAAAAIAR- VAGQTRNITVDPRLFKKRRLRSPRVLFSTQPPREAADTQDLDFEVGGAAPFNRTHRSKRSSSHPIFHRGEF SVCDSVSVVVGDKTTATDIKGKEVMVLGEVNINNSVFKQYFFETKCRDPNPVDSGCRGIDSKHWNSYCTT THTFVKALTMDDGKQAAWRFIRIDTACVCVLSRKAVRRA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized ProNGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution ProNGF should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	ProNGF was lyophilized from a 0.2 µM filtered solution of 20mM PB and 250mM NaCl pH 7.2. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized ProNGF in 1xPBS to a concentration no less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**