

## Recombinant rat Beta-nerve growth factor

Catalog No: #AP72336



Package Size: #AP72336-1 20ug #AP72336-2 100ug #AP72336-3 1mg

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## Description

Product Name	Recombinant rat Beta-nerve growth factor
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:124-241aaSequence Info:Partial
Accession No.	P25427
Uniprot	P25427
GeneID	310738;
Calculated MW	17.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	THPVFHMGEFSVCDSSVWVGDKTTATDIKGEVTVLGEVNINNSVFKQYFFETKCRAPNPVESGCRGIDSKH WNSYCTTTHTFVKALTTDDKQAAWRFIRIDTACVCLSRKAARRG
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. Extracellular domain ligand for the NTRK1 and NGFR receptors, activates cellular signaling cascades through those receptor tyrosine kinase to regulate neuronal proliferation, differentiation and survival. Inhibits metalloproteinase dependent proteolysis of platelet glycoprotein VI.

## References

Rat beta-nerve growth factor sequence and site of synthesis in the adult hippocampus. Whitemore S.R., Friedman P.L., Larhammar D.G., Persson H., Gonzalez-Carvajal M., Holets V.R.J. Neurosci. Res. 20:403-410(1988)Research Topic:Others

Note: This product is for in vitro research use only