



# Recombinant Guinea pig Beta-nerve growth factor (NGF)

<b>Product Code</b>	CSB-EP015779GU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P19093
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Cavia porcellus (Guinea pig)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	SSTHPVFHM GEFSVCDSVS VVVADKTTAT DIKGKEVTVL AEVNVNNNVF KQYFFETKCR DPSPVDSGCR GIDSKHWNSY CTTTHTFVKA LTTANKQAAW RFIRIDTACV CVLNRKAARR G
<b>Source</b>	E.coli
<b>Target Names</b>	NGF
<b>Protein Names</b>	Recommended name: Beta-nerve growth factor Short name= Beta-NGF
<b>Expression Region</b>	122-241
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene is a member of the NGF-beta family and encodes a secreted protein which homodimerizes and is incorporated into a larger complex. This protein has nerve growth stimulating activity and the complex is involved in the regulation of growth and the differentiation of sympathetic and certain sensory neurons. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of this gene s expression is associated with allergic rhinitis.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	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.