beta-NGF Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	beta-NGF, Recombinant Protein
Full Product Name	Human beta-NGF (Human Cell-Derived) Recombinant Protein Tag Free Lyophilized
Product Gene Name	beta-NGF recombinant protein
Host	Human Cells
Form/Format	This is a Lyophilized protein buffered in lyophilized from a 0.2um filtered solution of 20mM PB, 250mM NaCl, pH 7.0. It is not recommended to reconstitute to a concentration less than 100UG/ml. Dissolve the lyophilized protein in ddH2O
Purity/Purification	Greater than 95% as determined by reducing SDS-PAGE. Endotoxin level less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
Preparation and Storage	Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.
Species	Human
Related Product Information for beta-NGF recombinant protein	Human beta-NGF (Human Cell-Derived) Recombinant Protein Tag Free Lyophilized has been recombinantly produced in Human Cells. Human beta -Nerve Growth Factor (beta -NGF) was initially isolated in the mouse submandibular gland. It is composed of three non-covalently linked subunits alpha, beta, and gamma ; it exhibits all the biological activities ascribed to NGF. It is structurally related to BDNF, NT-3 and NT-4 and belongs to the cysteine-knot family of growth factors that assume stable dimeric structures. beta -NGF is a neurotrophic factor that signals through its receptor beta -NGF, and plays a crucial role in the development and preservation of the sensory and sympathetic nervous systems. beta -NGF also acts as a growth and differentiation factor for B lymphocytes and enhances B-cell survival. These results suggest that beta -NGF is a pleiotropic cytokine, which in addition to its neurotropic activities may have an important role in the regulation of the immune system. Human beta -NGF shares 90% sequence similarity with mouse protein and shows cross-species reactivity. This recombinant protein can be used for biological assays.
Other Notes	Small volumes of beta-NGF recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for beta-NGF purchase	MBS8431369 is a recombinant protein targeting beta-NGF. Also known as Human beta-NGF (Human Cell-Derived) Recombinant Protein Tag Free Lyophilized. Host: Human Cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for beta-NGF. It may not necessarily be applicable to this product.

Protein Family	Beta-nerve growth factor
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