

## Product datasheet for SA003

### NGF Mouse Protein

#### Product data:

Product Type:	Native Proteins
Description:	NGF mouse protein, 1 mg
Species:	Mouse
Protein Source:	Submax. Glands
Predicted MW:	13 kDa
Concentration:	lot specific
Purity:	>98% pure by SDS-PAGE.
Buffer:	State: Lyophilized purified protein.
Reconstitution Method:	Restore with 1.0 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. We recommend that the vial is gently mixed after reconstitution.
Preparation:	Lyophilized purified protein.
Applications:	<b>Functional Assays.</b>
Protein Description:	Purified Natural Murine Nerve Growth Factor. <b>Preparation:</b> Murine nerve growth factor is prepared from the submaxillary glands of mice by a modification of the method of Bocchini and Angeletti.
Storage:	Store the antibody undiluted at 2-8°C prior to reconstitution and at -20°C following reconstitution. Avoid repeated freezing and thawing.
Stability:	Shelf life: Six three from despatch.
RefSeq:	<a href="#">NP_002497</a>
Locus ID:	4803
Cytogenetics:	1p13.2
Synonyms:	Beta-NGF; HSN5; NGFB



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**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Apoptosis, MAPK signaling pathway, Neurotrophin signaling pathway