

### Recombinant human NGF protein (Active) ab9796

画像数 1

#### 製品の詳細

製品名	Recombinant human NGF protein (Active)
生理活性	Determined by the dose-dependent stimulation of the proliferation of human TF-1 cells. The expected ED <sub>50</sub> is ≤ 1.0 ng/ml, corresponding to a specific activity of ≥ 1 x 10 <sup>6</sup> units/mg.
精製度	≥ 98 % SDS-PAGE. ≥98% HPLC analyses. Sterile filtered.
エンドトキシン・レベル	< 1.000 Eu/μg
発現系	Escherichia coli
アクセッション番号	<b>P01138</b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	SSSHPIFHRG EFSVCDSVSV WVGDKTTATD IKGKEVMVLG EVNINNSVFK QYFFETKCRD PNPVDSGCRG IDSKHWNSYC TTTHTFVKAL TMDGKQAAWR FIRIDTACVC VLSRKAVRRA SSSHPIFHRG EFSVCDSVSV WVGDKTTATD IKGKEVMVLG EVNINNSVFK QYFFETKCRD PNPVDSGCRG IDSKHWNSYC TTTHTFVKAL TMDGKQAAWR FIRIDTACVC VLSRKAVRRA
予測される分子量	27 kDa
領域	122 to 241
配列の追加情報	Full length mature protein, without the signal peptide or the propeptide. The functional form is a non-covalently linked homodimer 27 kDa.

#### 特性

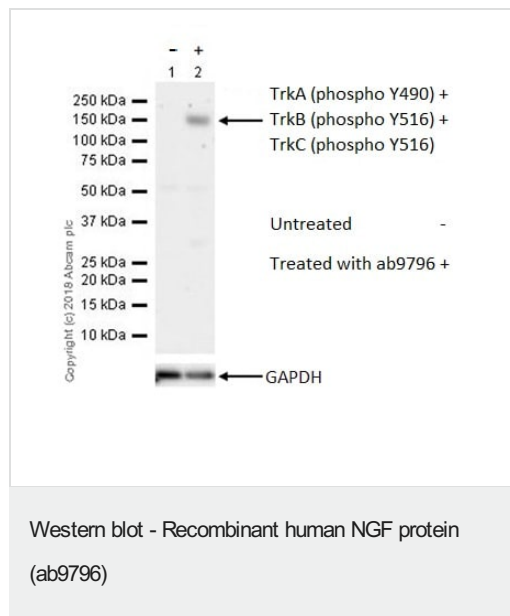
Our **Abpromise guarantee** covers the use of **ab9796** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	HPLC
	Functional Studies

	SDS-PAGE
製品の状態	Lyophilized
前処理および保存	
保存方法および安定性	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  This product is an active protein and may elicit a biological response in vivo, handle with caution.
再構成	Please reconstitute this product to 0.1-1 mg/ml in water. Follow reconstitution with further dilution in a buffer containing a carrier protein (example 0.1% BSA) for long term storage.
関連情報	
機能	Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. Extracellular 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 (PubMed:20164177).
関連疾患	Neuropathy, hereditary sensory and autonomic, 5
配列類似性	Belongs to the NGF-beta family.
細胞内局在	Secreted.

## 画像



**All lanes :** Anti-TrkA (phospho Y496) + TrkB (phospho Y516) + TrkC (phospho Y516) antibody [EPR19140] ([ab197071](#)) at 1/1000 dilution

**Lane 1 :** Untreated PC-12 (rat adrenal gland pheochromocytoma) whole cell lysate

**Lane 2 :** PC-12 treated with 100 ng/mL NGF (ab9796) for 5 minutes, whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

**Observed band size:** 140 kDa

**Exposure time:** 3 minutes

**Blocking and dilution buffer:** 5% NFDM/TBST.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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