

Product datasheet

Recombinant human NT-4 protein (Active) ab242322

1 Image

Description

Product name	Recombinant human NT-4 protein (Active)	
Biological activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by the dose-dependent induction of choline acetyl transferase activity in rat basal forebrain primary septal cell cultures is less than 50 ng/ml, corresponding to a specific activity of >2.0 x 10 ⁴ IU/mg.	
Purity	> 97 % SDS-PAGE. >97% pure as determined by SDS-PAGE and HPLC.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	P34130	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	M+GVSETAPASRRGELAVCDVSGWVTDRRTAVDLRGR EVEVLGEVPAAG GSPLRQYFFETRCKADNAEEGGPGAGGGGCRGVDRRH WVSECKAKQSYVR ALTADAQGRV/GWRWIRIDTACVCTLLSRTGRA	
Predicted molecular weight	28 kDa	
Amino acids	81 to 210	
Additional sequence information	Full-length mature chain lacking the signal peptide and pro-peptide.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab242322** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE HPLC
Form	Lyophilized

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Constituent: PBS

0.2 µm filtered

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Briefly centrifuge prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20 °C or below. Further dilutions should be made in appropriate buffered solutions.

General Info

Function

Target-derived survival factor for peripheral sensory sympathetic neurons.

Tissue specificity

Highest levels in prostate, lower levels in thymus, placenta, and skeletal muscle. Expressed in embryonic and adult tissues.

Involvement in disease

Defects in NTF4 may be associated with susceptibility to primary open angle glaucoma type 1O (GLC1O) [MIM:613100]. A form of primary open angle glaucoma (POAG). POAG is characterized by a specific pattern of optic nerve and visual field defects. The angle of the anterior chamber of the eye is open, and usually the intraocular pressure is increased. The disease is asymptomatic until the late stages, by which time significant and irreversible optic nerve damage has already taken place.

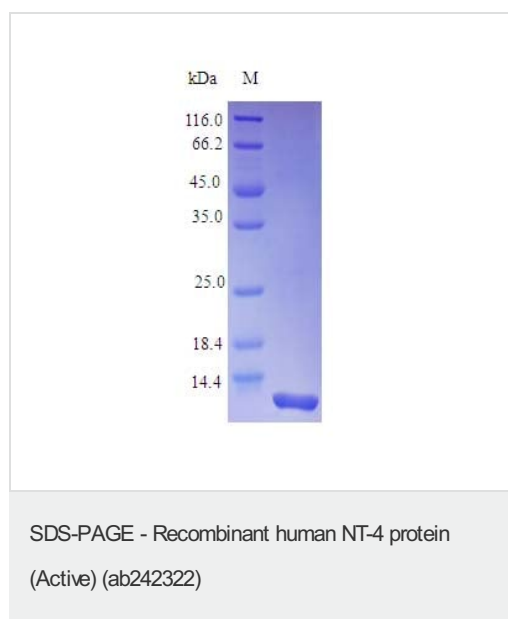
Sequence similarities

Belongs to the NGF-beta family.

Cellular localization

Secreted.

Images



SDS Page analysis of ab242322

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