

Product datasheet

Recombinant human NNT1 protein (Active) ab50021

Description

Product name	Recombinant human NNT1 protein (Active)
Biological activity	NT-1/BCSF-3 weakly supports chick E8 DRG neurite outgrowth at a concentration of 1.0 ng/mL.
Purity	> 95 % SDS-PAGE. Greater than 98% by SDS-PAGE and HPLC analyses. Endotoxin Levels: < 0.1 ng/μg of protein (< 1 EU/μg).
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>Q9UBD9</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MLNRTGDPGP GPSIQKTYDL TRYLEHQLRS LAGTYLNYLG PPFNEPDFNP PRLGAETLPR ATVDLEVWRS LNDKLRILTQN YEAYSHLLCY LRGLNRQAAT AELRRSLAHF CTSLQGLLGS IAGVMAALGY PLPQPLPGTE PTWTPGPAHS DFLQKMDDFW LLKELQTLWLW RSAKDFNRLK KKMQPPAAAV TLHLGAHGF
Predicted molecular weight	22 kDa
Amino acids	28 to 225

Specifications

Our **Abpromise guarantee** covers the use of **ab50021** in the following tested applications.

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

Applications	SDS-PAGE Functional Studies
Form	Lyophilized
Additional notes	Molecular Weight: 22.40 kDa

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use

General Info

Function	Cytokine with B-cell stimulating capability. Binds to and activates the ILST/gp130 receptor.
Tissue specificity	Expressed predominantly in lymph nodes, spleen, peripheral blood lymphocytes, bone marrow, and fetal liver.
Involvement in disease	Defects in CLCF1 are the cause of cold-induced sweating syndrome type 2 (CISS2) [MIM:610313]. Cold-induced sweating syndrome (CISS) is an autosomal recessive disorder characterized by profuse sweating induced by cool surroundings (temperatures of 7 to 18 degrees Celsius). Additional abnormalities include a high-arched palate, nasal voice, depressed nasal bridge, inability to fully extend the elbows and kyphoscoliosis.
Sequence similarities	Belongs to the IL-6 superfamily.
Cellular localization	Secreted.

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

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