

CNTNAP2 抗原（重组蛋白）

中文名称： CNTNAP2 抗原（重组蛋白）

英文名称： CNTNAP2 Antigen (Recombinant Protein)

别名： contactin associated protein-like 2; CDFE; NRXN4; AUTS15; CASPR2; PTHSL1

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 1132-1331 amino acids of human CNTNAP2

技术规格

Full name:	contactin associated protein-like 2
Synonyms:	CDFE; NRXN4; AUTS15; CASPR2; PTHSL1
Swissprot:	Q9UHC6
Gene Accession:	BC113373
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes a member of the neurexin family which functions in the vertebrate nervous system as cell adhesion molecules and receptors. This protein, like other neurexin proteins, contains epidermal growth factor repeats and laminin G domains. In addition, it includes an F5/8 type C domain, discoidin/neuropilin- and fibrinogen-like domains, thrombospondin N-terminal-like domains and a putative PDZ binding site. This protein is localized at the juxtaparanodes of myelinated axons, and mediates interactions between neurons and glia during nervous system development and is also involved in localizati

on of potassium channels within differentiating axons. This gene encompasses almost 1.5% of chromosome 7 and is one of the largest genes in the human genome. It is directly bound and regulated by forkhead box protein P2 (FOXP2), a transcription factor related to speech and language development. This gene has been implicated in multiple neurodevelopmental disorders, including Gilles de la Tourette syndrome, schizophrenia, epilepsy, autism, ADHD and mental retardation.