



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## CHRNA4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00001137-T02

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

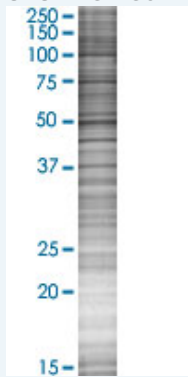
**Plasmid:** pCMV-CHRNA4 full-length

**Host:** Human

**Theoretical MW (kDa):** 49.9

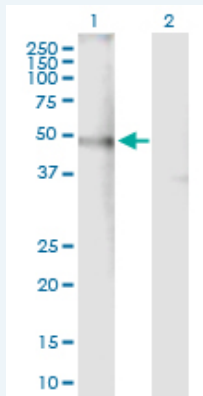
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-CHRNA4 antibody ([H00001137-B01P](#)) by Western Blots.

#### SDS-PAGE Gel



CHRNA4 transfected lysate.

#### Western Blot



Lane 1: CHRNA4 transfected lysate ( 49.9 KDa)

Lane 2: Non-transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**MSDS:**  [Download](#)

### Applications

## Western Blot

### Gene Information

Entrez GeneID: [1137](#)

GeneBank [BC096292.1](#)  
Accession#:

Protein [AAH96292.1](#)  
Accession#:

Gene Name: CHRNA4

Gene Alias: BFNC,EBN,EBN1,FLJ95812,NACHR,NACHRA4,NACRA4

Gene Description: cholinergic receptor, nicotinic, alpha 4

Omim ID: [118504](#), [188890](#), [600513](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** This gene encodes a nicotinic acetylcholine receptor, which belongs to a superfamily of ligand-gated ion channels that play a role in fast signal transmission at synapses. These pentameric receptors can bind acetylcholine, which causes an extensive change in conformation that leads to the opening of an ion-conducting channel across the plasma membrane. This protein is an integral membrane receptor subunit that can interact with either nAChR beta-2 or nAChR beta-4 to form a functional receptor. Mutations in this gene cause nocturnal frontal lobe epilepsy type 1. Polymorphisms in this gene that provide protection against nicotine addiction have been described. [provided by RefSeq]

**Other Designations:** cholinergic receptor, nicotinic, alpha 4 subunit, cholinergic receptor, nicotinic, alpha polypeptide 4, neuronal nicotinic acetylcholine receptor alpha-4 subunit

### Related Disease

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[Attention Deficit Disorder with Hyperactivity](#) [Autistic Disorder](#) [Bipolar Disorder](#) [Cleft Lip](#)  
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