



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### PCDHA4 (Human) Recombinant Protein (P01)

**Catalog Number:** H00056144-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human PCDHA4 full-length ORF ( NP\_061730.1, 1 a.a. - 947 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MEFSWGSQGSRRLLLLLLLLAWEAGNGQLHYSVS  
EEAKHGTFVGRQAQDLGLELAELVPRFRVASKGRGG  
LLEVNQNGILFVNSRIDREELCRSAECSIHLEIVDR  
PLQVFHVDVEVRDINDNPPVFPATQKNLSIAESRPLDS  
RFPLEGASDADIGENALLTYRLSPNEYFSLEKPPDDEL  
VKGLGLILRKSLDREEAPEIFLVTATDGGKPELTGTVQ  
LLITVLDANDNAPAFDRITIKVRLLENVPNGTLVIKLNAS  
DLDEGLNGDIVSFSNDISPVKSKFHIDPITGQIIVKGY  
IDFEESKSYEIIIEGIDKQGQLPLSGHCRVIVEVEDNNDN  
VPDLEFKSLSLPIREDAPLGTVIALISVSDKDMGVNGLV  
TCSLTSHVPPKLVSTFKNYSVLVDSALDRESVSAYEL  
VVTARDGGSPSLWATASVSVEVADVNDNAPAFAPQPE  
YTVFVKENPPGCHIFTVSAWDADAQENALVSYSLVE  
RRVGERALSSYVSVHAESGKVYALQPLDHEEELLELQF  
QVTARDAGVPPPLGNSVTLQVFLDENDNAPALLAPRA  
GGTGGAVSELVPWSVGVGHVAVKRAVDADSGYNA  
WLSYELQPGTGGARIPFRVGLYTGEISTTRALDETDA  
RHRLLVLVKDHGEPALTATATVLSLVESGQAPKASSR  
ALVGAVGPDAAALVDVNVYLIIAICAVSLLVLTLLLYTAL  
RCSALPTEGACAPGKPTLVCSAVGWSYSQRRPR  
VCSGEGPPKTDLMAFSPSLPDSRDREDQLQTTEESFA  
KPRQPNPDWRYASLRAGMHSSVHLEEAGILRAGPG  
GPDQQWPTVSSATPEPEAGEVSPVVGAGVNSNSWTF  
KYGPGNPKQSGPGLPDKFIIPGSPAIISIRQEPTNSQI  
DKSDFITFGKKEETKKKKKKKGNKTQEKEKEGNSTT  
DNSDQ
```

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 128.7

**Interspecies Antigen Sequence:** Mouse (86); Rat (85)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

**Entrez GeneID:** 56144

**Gene Symbol:** PCDHA4

**Gene Alias:** CNR1, CNRN1, CRNR1, MGC138307, MGC142169, PCDH-ALPHA4

**Gene Summary:** This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined. [provided by RefSeq]