



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Datasheet

### CLCN5 (Human) Recombinant Protein (P01)

**Catalog Number:** H00001184-P01

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

**Product Description:** Human CLCN5 full-length ORF ( NP\_000075.1, 1 a.a. - 746 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MDFLEELPIGVGTYYDDFNTIDWVREKSRDRDRHREIT  
NKSKESTWALHSVSDAFSGWLLMLLIGLLSGSLAGLID  
ISAHWMTDLKEGICTGGFWFNHEHCCWNSEHVTFEE  
RDKCPEWNSWSQLIISTDEGAFAYIVNYFMVVLWALLF  
AFLAVSLVKVFAPYACGSGIPEIKTILSGFIIRGYLGKWT  
LVIKTITLVLAVSSGLSLGKEGPLVHVACCCGNILCHCF  
NKYRKNEAKRREVL SAAAAAGVSVAFGAPIGGVLFSL  
EEVSYYFPLKTLWRSFFAALVA AFLRSINPFNGSRLV  
LFYVEFHTPWHLFELVPFILLGIFGGLWGALFIRTNIAW  
CRKRKTTQLGKYPVIEVLVVTAITAILAFPNEYTRMSTS  
ELISELFNDCGLLDSSKLCDYENRFNTSKGGELPDRPA  
GVGVYSAMWQLALTLIKIVITIFTFGMKIPSGLFIP SMA  
VGAIAGRLLGVGMEQLAYYHQEWTFNSWCSQGADC  
ITPGLYAMVGAACLGGVTRMTVSLVIMFELTGGLEY  
IVPLMAAAMTSKWVADALGREGIYDAHIRLNGYPFLEA  
KEEFAHKTLAMDVMKPRRNDPLLTVLTQDSMTVEDVE  
TISETTYSGFVVSRESQRLVGFVLRRLIISIENARK  
KQDGVVSTSIIFTEHSPPLPPYTPPTLKLRLNLDLSPFT  
VTDLTPMEIVVDIFRKLGLRQCLVTHNGRLLGIITKKDVL  
KHIAQMANQDPDSILFN

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

**Theoretical MW (kDa):** 109.5

**Interspecies Antigen Sequence:** Mouse (98)

**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:** 1184

**Gene Symbol:** CLCN5

**Gene Alias:** CLC5, CLCK2, DENTS, NPHL1, NPHL2, XLRH, XRN, hCIC-K2, hCIC-K2

**Gene Summary:** This gene encodes a member of the CIC family of chloride ion channels and ion transporters. Mutations in this gene have been found in Dent disease and renal tubular disorders complicated by nephrolithiasis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**References:**

1. The interaction between megalin and CIC-5 is scaffolded by the Na(+)-H(+) exchanger regulatory factor 2 (NHERF2) in proximal tubule cells. Hryciw DH, Jenkin KA, Simcocks AC, Grinfeld E, McAinch AJ, Poronnik P. Int J Biochem Cell Biol. 2012 Feb 13. [Epub ahead of print]