

# Recombinant Full Length Human CLCN6 Protein, GST-tagged

**Cat. No.** CLCN6-1996HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CLCN6 full-length ORF ( NP_001277.1, 1 a.a. - 869 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 869 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | This gene encodes a member of the voltage-dependent chloride channel protein family. Members of this family can function as either chloride channels or antiporters. This protein is primarily localized to late endosomes and functions as a chloride/proton antiporter. Alternate splicing results in both coding and non-coding variants. Additional alternately spliced variants have been described but their full-length structure is unknown. [provided by RefSeq, Mar 2012] |
| <b>Molecular Mass</b>   | 123.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MAGCRGSLCCCCRWCCCCGERETRTPEELTILGETQEEDEILPRKDYESLDYDRC<br>INDPYLEVLETMDNKKGRRYEAVKWMVVFAIGVCTGLVGLFVDFVRLFTQLKFGVV<br>QTSVEECSQKGCLALSLELLGFNLTFVFLASLLVLEPVAAGSGIPEVKCYLNGVKV<br>PGIVRLRTLCKVLGVLFVAGGLFVGKEGPMIHSGSVVGAGLPQFQSI SLRKIQFNF<br>PYFRSDRDKRDFVSAGAAAGVAAAFGAPIGGTLFSLEEGSSFWNQGLTWKVLFC<br>MSATFTLNFFRSGIQFGSWGSFQLPGLLNFGFEKCSDSDDKKCHLWTAMD LGFFVV<br>MGVIGLLGATFNCLNKRLAKYRMRNVHPKPKLVRVLESLLVSLVTTVVVFVASMVL                                                     |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

GECRQMSSSSQIGNDSFQLQVTEDVNSSIKTFFCPNDTYNDMATLFFNPQESAILQL  
 FHQDGTFSPTLALFFVLYFLLACWTYGISVPSGLFVPSLLCGAAFGRLVANVLKSYI  
 GLGHIYSGTFALIGAAAFLGGVVRMTISLTVILIESTNEITYGLPIMVTLMVAKWTGDFF  
 NKGIDYIHVGLRGVPLLEWETEVEMDKLRASDIMEPNLTYVYPHTRIQSLVSILRTTV  
 HHAFPVVTENRGNEKEFMKGNQLISNNIKFKKSSILTRAGEQRKRSQSMKSYPSSEL  
 RNMCDDEHIASEEPAEKEDLLQQMLERRYTPYPNLYPDQSPSEDWTMEERFRPLTFH  
 GLILRSQVLTVLLVRGVCYSESQSSASQPRLSYAEMAEDYPRYPDIHDLDTLLNPRMI  
 VDVTPYMNPSFTVSPNTHVSQVFNLFRMTGLRHLPVVNAVGEIVGIITRHNLTYEFL  
 QARLRQHYQTI

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

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

## GENE INFORMATION

**Gene Name**

CLCN6 chloride channel, voltage-sensitive 6 [ Homo sapiens ]

**Official Symbol**

CLCN6

**Synonyms**

CLCN6; chloride channel, voltage-sensitive 6; chloride channel 6; chloride transport protein 6; CIC 6; CLC 6; KIAA0046; CLC-6

**Gene ID**

1185

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|                |                              |
|----------------|------------------------------|
| mRNA Refseq    | <a href="#">NM_001256959</a> |
| Protein Refseq | <a href="#">NP_001243888</a> |
| MIM            | <a href="#">602726</a>       |
| UniProt ID     | <a href="#">P51797</a>       |

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