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Product Information

MemDX™ Membrane Protein Human CLCN1 (Chloride voltage-gated channel 1) for Antibody Discovery

Cat. No.: **MP0229X**
This product is for research use only and is not intended for diagnostic use.

This product is a 135.63 kDa Human CLCN1 membrane protein expressed in *in vitro* wheat germ expression system.
The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
CLCN1

Protein Length
Full-length

Molecular Weight
135.63 kDa

TMD
10

Sequence
MEQSRSQQRGGEQSWWGSDPQYQYMPFEHCTSYGLPSENGGLQHRLRKDAGPRHNVHPTQIYGHHKEQFSDREQDIGMPKKT

Product Description

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

Expression Systems
in vitro wheat germ expression system

Tag
GST-tag at N-terminal

Form
Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

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

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

CLCN1

Full Name

Chloride voltage-gated channel 1

Introduction

The CLCN family of voltage-dependent chloride channel genes comprises nine members (CLCN1-7, Ka and Kb) which demonstrate quite diverse functional characteristics while sharing significant sequence homology. The protein encoded by this gene regulates the electric excitability of the skeletal muscle membrane. Mutations in this gene cause two forms of inherited human muscle disorders: recessive generalized myotonia congenita (Becker) and dominant myotonia (Thomsen). Alternative splicing results in multiple transcript variants

Alternative Names

CLC1; MGC138361; MGC142055; skeletal muscle chloride channel 1

Gene ID

1180

UniProt ID

P35523