

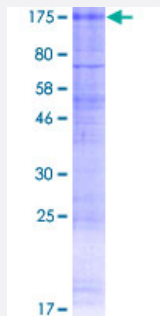
Full-Length

CLCN1 (Human) Recombinant Protein (P01)

Catalog # H00001180-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CLCN1 full-length ORF (AA11587.1, 1 a.a. - 988 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEQSRSQQRGGEQSWWGSDPQYQYMPFEHCTSYGLPSENGGLQHRLRKDAGPRHNVHPTQIY
GHHKEQFSDREQDIGMPKKTGSSSTVDSKDEDHYSKCQDCIHRLGQVRRKLGEDGIFLVLLGLL
MALVSWMDYVSAKSLQAYKWSYAQMQPSLPLQFLVWVTFPLVLILFSALFCHLISPQAVGSGIP
EMKTILRGVVLKEYLTMKAFVAKVVALTAGLGSVIPVKEGPFVHIASICA AVL SKFMSVFCGVYE
QPYYS DILTVGCAVGVGCCFGTPLGGVLF SIEVTSTYFAVRNYWRGFFAATFSAFVFRVLAVWN
KDAVTITALFRTNFRMDFPDLKELPAFAAIGICGLLGAVFVYLHRQVMLGVRKHKALSQFLAKH
RLLYPGINTFVIASFTFPPGMGQFMAGELMPREAI STLFDNNTWVKHAGDPESLGQSAVWIHPRV
NVV IIIFFVMKFWMSIVATTMPIPCGGFMPVFLGAAFGRLVGEIMAMLPDGLFDDIYKILPGGY
AVIGAAALTGAVSHTVSTAVICFELTGQIAHILPMMVAVILANMVAQSLQPSLYDSIQVKKLPYLPDL
GWNQLSKYTIFVEDIMVRDVKFVSASYTYGELRTLLQTTTVKTLPLVDSKDSMILLGSVERSELQAL
LQRHLCPPERLRAAQEMARKLSELPYDGKARLAGEGLPGAPPGRPE SFAFVDEDEDEDLSGKS
ELPPSLALHPSTTAPLSPEEPNGPLPGHKQQPEAPEPAGQRPSIFQSLLHCLLGRARPTKKKTTQ
DSTDLDVNMSPEEIEAWEQEQLSQPVCFDSCCIDQSPFQLVEQTTLHKHTLFSLLGLHLAYVTS
MGKLRGVLAEELQKAIEGHTKSGVQLRPPLASFRNTTSTRKSTGAPPSSAENWNLPEDRPGAT
GTGDVIAASPETPVSPSPPEPPLSLAPGKVEGELEEELELVESPGLEEEELADILQGPSLRSTDEED
EDELIL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

135.63

Interspecies Antigen Sequence	Mouse (87); Rat (87)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CLCN1

Entrez GeneID	1180
GeneBank Accession#	BC111586
Protein Accession#	AA11587.1
Gene Name	CLCN1
Gene Alias	CLC1, MGC138361, MGC142055
Gene Description	chloride channel 1, skeletal muscle
Omim ID	118425 160800 255700
Gene Ontology	Hyperlink

Gene Summary

The CLCN family of voltage-dependent chloride channel genes comprises nine members (CLCN 1-7, 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). [provided by RefSeq]

Other Designations

skeletal muscle chloride channel 1

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Myotonic dystrophy](#)
- [Occupational Diseases](#)
- [Tobacco Use Disorder](#)