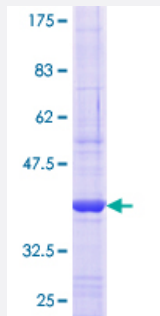


CLCNKB (Human) Recombinant Protein (Q01)

Catalog # H00001188-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CLCNKB partial ORF (NP_000076.1, 516 a.a. - 615 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QPSFYDGTVMKKLPYLPRILGRNIGSHRVRVEHFMNHSITTLAKDTPLEEVVKVVTSTDVAEYPLV ESTESQILVGMVRRQLVQALKAEPSPWAPGHQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (73)
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 — CLCNKB

Entrez GeneID [1188](#)

GeneBank Accession# [NM_000085](#)

Protein Accession# [NP_000076.1](#)

Gene Name CLCNKB

Gene Alias CLCKB, CIC-K2, MGC24087, hCIC-Kb

Gene Description chloride channel Kb

Omim ID [602023](#) [602522](#) [607364](#)

Gene Ontology [Hyperlink](#)

Gene Summary Chloride channel Kb (CLCNKB) is a member of the CLC family of voltage-gated chloride channels, which comprises at least 9 mammalian chloride channels. Each is believed to have 12 transmembrane domains and intracellular N and C termini. Mutations in CLCNKB result in the autosomal recessive Type III Bartter Syndrome. CLCNKA and CLCNKB are closely related (94% sequence identity), tightly linked (separated by 11 kb of genomic sequence) and are both expressed in mammalian kidney. [provided by RefSeq]

Other Designations Chloride channel, kidney, B|OTTHUMP00000011120

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)