

Recombinant Full Length Human CLCNKB Protein, GST-tagged

Cat. No. CLCNKB-2036HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLCNKB full-length ORF (AAH20873.1, 1 a.a. - 462 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	462 amino acids
Description	The protein encoded by this gene is a member of the family of voltage-gated chloride channels. Chloride channels have several functions, including the regulation of cell volume, membrane potential stabilization, signal transduction and transepithelial transport. This gene is expressed predominantly in the kidney and may be important for renal salt reabsorption. Mutations in this gene are associated with autosomal recessive Bartter syndrome type 3 (BS3). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]
Molecular Mass	77 kDa
AA Sequence	MEEFVGLREGSSGNPVTLQELWGPCPRIRRGIRGGLEWLKQKLFR LGEDWYFLMT LGVLMA LVSCAMDLAVESV VRAHQWLYREIGDSHLLRYLSWTVYPVALVSFSSGFS QSITPSSGGSGIPEVKTMLAGVVLEDYLDIKNFGAKVVGLSCTLACGSTLFLGKVGPF VHLSVMMAAYLGRVRTTTIGEPENKSKPVYSALATLVLASITYPPSAGRFLASRLSMK

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QHLDSLFDNHSWALMTQNSSPPWPEELDPQHLWWEWYHPRFTIFGTLAFLVMKF
WMLILATTIPMPAGYFMPIFVYGAAIGRLFGETLSFIFPEGIVAGGITNPIMPGGYALAG
AAAFSGAVTHTISTALLAFEVTGQIVHALPVLMVLAANAIAQSCQPSFYDGTIVVKKL
PYLPRILGRNIGSHRVRVEHF MNHSITTLAITLMNDEIGVHCHQGQAQMASGVVWFP
VRGS

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

CLCNKB chloride channel, voltage-sensitive Kb [Homo sapiens]

Official Symbol

CLCNKB

Synonyms

CLCNKB; chloride channel, voltage-sensitive Kb; chloride channel Kb; chloride channel protein CIC-Kb; hCIC Kb; chloride channel, kidney, B; CLCKB; CIC-K2; CIC-Kb; MGC24087

Gene ID

1188

mRNA Refseq

NM_000085

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Protein Refseq	NP_000076
MIM	602023
UniProt ID	P51801

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