

Recombinant Human CLCNKB Protein, GST-tagged

Cat. No. CLCNKB-1423H **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	Wheat Germ
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 QHLDSLFDNHSWALMTQNSSPPWPEELDPQHLWWEWYHPRFTIFGTLAFFLVMKF WMLILATTIPMPAGYFMPIFVYGAAIGRLFGETLSFIFPEGIVAGGITNPIMPGGYALAG

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AAAFSGAVTHTISTALLAFEVTGQIVHALPVLMVLAANAIAQSCQPSFYDGTIVVKKL
PYLPRILGRNIGSHRVRVEHFMNHSITTLAITLMNDEIGVHCHQGQAQMASGVVWFP
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

Protein Refseq

NP_000076

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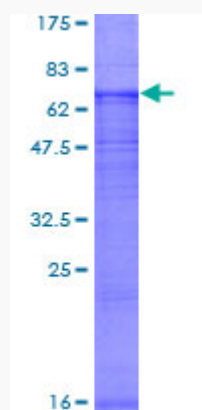
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MIM 602023

UniProt ID P51801

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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