

RP669Hu01 100µg

Recombinant Chloride Channel Accessory 1 (CLCA1)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Asn416~Arg670

Tags: N-terminal His-Tag

Accession: A8K7I4

Host: *E. coli*

Subcellular Location: Secreted, extracellular space.

Cell membrane; Peripheral membrane protein;

Extracellular side.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg

(determined by the LAL method).

Formulation: Supplied as lyophilized form in 20mM Tris,

150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT,

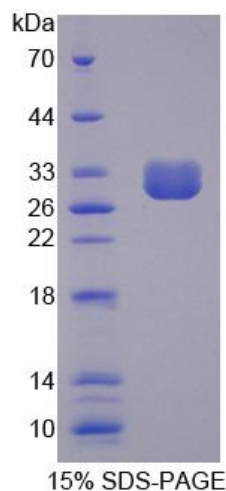
0.01% sarcosyl, 5% trehalose, and preservative.

Predicted isoelectric point: 7.1

Predicted Molecular Mass: 28.7kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)



[USAGE]

Reconstitute in sterile ddH₂O.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

NTISG CFNEVKQSGA IIHTVALGPS AAQEELELSK MTGGLQTYAS DQVQNNGLID
AFGALSSGNG AVSQRSIQLE SKGLTLQNSQ WMNGTVIVDS TVGKDTLFLI TWTMQPPQIL
LWDPGQKQG GFVVDKNTKM AYLQIPGIAK VGTWKYSLQA SSQTLTLTVT SRASNATLPP
ITVTSKTNKD TSKFPSPLVV YANIRQGASP ILRASVTALI ESVNGKTVTL ELLDNGAGAD
ATKDDGVYSR YFTTYDTNGR

[REFERENCES]

1. Bailey S.D., *et al.* (2010) *Diabetes Care* 33:2250-2253.
2. Hauber H.P., *et al.* (2010) *J. Cyst. Fibros.* 9:277-279.
3. Wu W., *et al.* (2010) *Lin Chung Er Bi Yan Hou Tou Jing Wai Ke Za Zhi* 24:193-5, 2010:199-199.
4. Han S., *et al.* (2010) *Hum. Immunol.* 71:727-730.