

Recombinant human RCAN2 protein

Catalog Number: ATGP1309

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-197aa

UniProt No.

Q14206

NCBI Accession No.

NP_005813

Alternative Names

Calcipressin-2, CSP2, DSCR1L1, hRCN2, MCIP2, RCN2, ZAKI-4, ZAKI4

PRODUCT SPECIFICATION

Molecular Weight

24.1 kDa (217aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.2M NaCl

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Calcipressin-2, also known as RCAN2, belonging to the RCAN (Regulator of calcineurin) family modulate the activity of Calcineurin through a valine-rich region within their carboxyl tail. RCANs compete with NFAT (nuclear factor of activated T-cells) for binding to the same docking site in calcineurin, which results in either inhibition or activation of calcineurin activity. RCAN2 is a Ca (2+) dependent protein phosphatase that is involved in several neuronal functions. Recombinant human RCAN2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MPAPSMDCDV STLVACVVDV EVFTNQEVKE KFEGLFRTYD DCVTFQLFKS FRRVRINFSN
PKSAARARIE LHETQFRGKK LKLYFAQVQT PETDGDKLHL APPQPAKQFL ISPPSSPPVG WQPINDATPV LNYDLLYAVA
KLGPGKEYEL HAGTESTPSV VVHVCDSDIE EEEDPKTSPK PKIIQTRRPG LPPSVSN

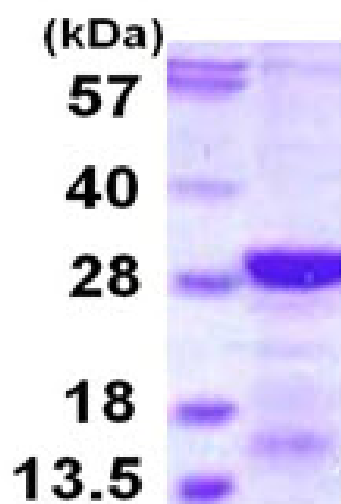
General References

Qin L., et al. (2006) *Mal Cancer Res.* 4:811-820.

Porta S., et al. (2007) *Eur J Neurosci.* 26:1213-1226.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)