9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RCAN2 Human

Regulator of Calcineurin 2 Human Recombinant
RCP1832

Product Overview

Name	RCAN2 Human
Description	
Regulator of Calcineurin 2 Human Recombinant	
Accession (Primary)	Q14206
Synonyms	
Regulator of calcineurin 2, DSCR1L1, MCIP2, Down syndrome critical region gene 1-like 1, ZAKI4, Myocyte-enriched calcineurin-interacting protein 2, Thyroid hormone-responsive protein ZAKI-4, CSP2, RCN2, thyroid hormone-responsive (skin fibroblasts).	
Introduction	
RCAN2 is a member of the RCAN (Regulator of calcineurin) family that controls the activity of Calcineurin using a valine-rich region placed in their carboxyl tail. RCANs race against NFAT (nuclear factor of activated T-cells) to bind to the same docking site in calcineurin, and consequently inhibits or activates calcineurin activity. RCAN2 is a Ca(2+) dependent protein phosphatase which takes part in numerous neuornal functions.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
RCAN2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 200mM NaCl, 1mM DTT and 20% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MPAPSMDCDV STLVACVVDV EVFTNQEVKE KFEGLFRTYD DCVTFQLFKS FRRVRINFSN PKSAARARIE LHETQFRGKK LKLYFAQVQT PETDGDKLHL APPQPAKQFL ISPPSSPPVG	

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WQPINDATPV LNYDLLYAVA KLGPGEKYEL HAGTESTPSV VVHVCDSDIE EEEDPKTSPK PKIIQTRRPG LPPSVSN

Precautions

RCAN2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q14206)