
Product Data Sheet

Product Name: RCAN2 Human
 Cat. No.: GP24356
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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).		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MPAPSMDCDV STLVACVVDV EVFTNQEVKE KFEGLFRTYD DCVTFQLFKS FRRVRINFSN PKSAARARIE LHETQFRGKK LKLYFAQVQT PETDGDKLHL APPQPAKQFL ISPPSSPPVG WQPINDATPV LNYDLLYAVA KLGPGKEYEL HAGTESTPSV VVHVCDSDIE EEEDPKTSPK PKIIQTRRPG LPPSVSN		
Formulation	RCAN2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 200mM NaCl, 1mM DTT and 20% glycerol.		

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 neuronal functions.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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RCAN2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 217 amino acids (1-197 a.a.) and having a molecular mass of 24.1kDa. RCAN2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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