

## 32-4623: Recombinant Human Regulator of Calcineurin 2

### Alternative Name :

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).

### Description

Source : E.coli. 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. 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.

### Product Info

**Amount :** 20 µg

**Purification :** Greater than 85% as determined by SDS-PAGE.

**Content :** RCAN2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 200mM NaCl, 1mM DTT and 20% glycerol.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SGLVPRGSH MPAPSMDCDV STLVACVVDV EVFTNQEVKE KFEGLFRITYD  
DCVTFQLFKS FRRVRINFSN PKSAARARIE LHETQFRGKK LKLYFAQVQT PETDGDKLHL APPQPAKQFL  
ISPPSSPPVG WQPINDATPV LNYDLLYAVA KLGPGEKYEL HAGTESTPSV VVHVCDSDIE EEEDPKTSPK  
PKIIQTRRPG LPPSVSN

