

## Gene Section

### Short Communication

# RANBP2 (RAN binding protein)

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## Identity

**Other names:** NUP358 (nucleoporin 358 kDa)

**HGNC (Hugo):** RANBP2

**Location:** 2q13

## Protein

### Description

3224 amino acids, 358 kDa; is composed, from N-term to C-term, of: a leucine-rich region with a leucine zipper, 4 RAN-binding domains, 8 Zn fingers, and an internal repeat region.

### Function

Nuclear export transporter; bind RAN-GTP and exportin-1.

## Implicated in

### **Inflammatory myofibroblastic tumors with t(2;2)(p23;q13)**

#### Disease

Rare soft tissue tumour found in children and young adults.

#### Prognosis

Good prognosis.

#### Hybrid/Mutated gene

5' RANBP2 - 3' ALK.

## References

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