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## Product Data Sheet

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Product Name: RNF7 Human  
 Cat. No.: GP24402  
 Batch No.: 1

### Product Data

|                     |   |                    |                         |
|---------------------|---|--------------------|-------------------------|
| Purity              | >98%  | Source             | Escherichia Coli.       |
| Physical Appearance | solid   | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | RING-box protein 2 isoform 1; Ring finger protein 7; CKBBP1; ROC2; SAG; RING-box protein 2; Rbx2; CKII beta-binding protein 1; Regulator of cullins 2; Sensitive to apoptosis gene protein; RBX2; RNF7. |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSMADVEDG EETCALASHS GSSGSKSGGD<br>KMFLKKNWA VAMWSWDVEC DTCAICRVQV MDACLRCAE NKQEDCVVWV<br>GECNHSFHNC CMSLWVKQNN RCPLCQQDWV VQRIGK.   |                    |                         |
| Formulation         | RNF7 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.  |                    |                         |

### Introduction

Ring Finger Protein 7, also known as RNF7, is an extremely conserved ring finger protein. RNF7 is a vital subunit of SKP1-cullin/CDC53-F box protein ubiquitin ligases that are a part of the protein degradation machinery important for cell cycle progression and signal transduction. RNF7 is a substrate of casein kinase II (CSNK2A1/CKII) and also interacts with it. The phosphorylation of RNF7 by CSNK2A1 promotes the degradation of I $\kappa$ B $\alpha$  (CHUK/IKK- $\alpha$ /IKBKA) and p27Kip1(CDKN1B).

### 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

RNF7 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 136 amino acids (1-113 a.a) and having a molecular mass of 15.1kDa. RNF7 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary

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

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chromatographic techniques.

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