

RNF7, 1-113aa, Human, His tag, E.coli

Cat.NO.: TP03755

3th Edition

Synonyms:RING-box protein 2 isoform 1, Ring finger protein 7, CKBBP1, ROC2, SAG

Description:RNF7 is a highly conserved ring finger protein. It is an essential subunit of SKP1-cullin/CDC53-F box protein ubiquitin ligases, which are a part of the protein degradation machinery important for cell cycle progression and signal transduction. This protein interacts with, and is a substrate of, casein kinase II (CSNK2A1/CKII). The phosphorylation of this protein by CSNK2A1 has been shown to promote the degradation of I κ B α (CHUK/IKK- α /IKBKA) and p27Kip1(CDKN1B). Alternatively spliced transcript variants encoding distinct isoforms have been reported. Recombinant human RNF7 protein, fused to His-tag at N-terminus, was expressed in E.coli .

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Molecular Weight:15.1 kDa (136aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMADVEDGEETCALASHSGSSGSKSGGDKMFSLKKWNAVAMWSWDVECD
TCAICRVQVMDACLRCQAENKQEDCVVVWGECNHSFHNCCMSLVVKQNNRCPLCQQDWVVQRIGK

Purity:> 95% by HPLC

Concentration:1.0 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 μ g of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.