



SHANGHAI GENOMICS

Recombinant Human Regulator of Cullins 2

rHuROC2

Catalog number: 3132-02

Specifications and Use

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|-----------------------|--|
| Source | ● <i>Sf9 insect cell</i> |
| Molecular Mass | ● 16.8 kDa |
| Purity | ● ≥ 85% as determined by SDS-PAGE |
| Tag | ● 6 × His |
| Formulation | ● 20mM Tris-HCl, 150mM NaCl, 0.5mM EDTA, pH7.9, 10% glycerol |
| Stability | ● Store at -80°C. Avoid repeated freezing and thawing |
| Usage | ● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE. |

Human ROC2

ROC 1 and ROC 2 are the two highly conserved RING finger proteins that are homologous to APC 11, a subunit of the anaphase promoting complex (APC). ROC 1 and ROC 2 commonly interact with all cullins while APC 11 specifically interacts with APC 2, a cullin related APC subunit. ROC 1 and APC 11 immunocomplexes can catalyze isopeptide ligations to form polyubiquitin chains in an E1 and E2 dependent manner. ROC 1 is thought to play a unique role in the ubiquitination reaction by heterodimerizing with cullin 1 to catalyze ubiquitin polymerization.

Protein Sequence:

HHHHHDYDIPTTENLYFQAAMDPEFRANPAMADVEDGEETCALASHSGSSGSKSGGDKMFSLK
KWNAVAMWSWDVECDTCAICRVQVMDACLRCQAENKQEDCVVWVWGE CNHSFHNCCMSLWVKQ
NNRCPLCQQDWVVRIGK