

Recombinant Full Length Human RBX1, T7-tagged

Cat. No. RBX1-2902H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RBX1 (1-108 aa) is expressed in E.Coli with a T7 tag at N-terminus.
Species	Human
Source	E.coli
ProteinLength	1-108 a.a.
Description	<p>Cullin-based E3 ligases, such as SCF (Skp1-Cdc53-F-box protein), are a large family of multi-subunit ubiquitin ligases with diverse cellular functions, including the regulation of the cell cycle, of the DNA damage response, and of various transcription factors. These ligases are composed of one of six mammalian cullin homologs (Cul1, Cul2, Cul3, Cul4a, Cul4b, and Cul5), the Ring finger containing protein Rbx1/Roc1, and cullin homolog-specific adaptor and substrate recognition subunits. Activation of cullin-based ligases require the covalent modification of a conserved lysine residue in the cullin protein with the ubiquitin-like protein NEDD8. This modification is catalyzed by the Rbx1 subunit.</p>
MW	12274 Da.
Purity	90%.
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN3. 10mM DTT.

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Application MS. SDS.

GENE INFORMATION

Synonyms RBX1; ring-box 1; ROC1; RNF75; MGC1481; MGC13357; BA554C12.1

Gene ID 9978

mRNA Refseq NM_014248

Protein Refseq NP_055063

MIM 603814

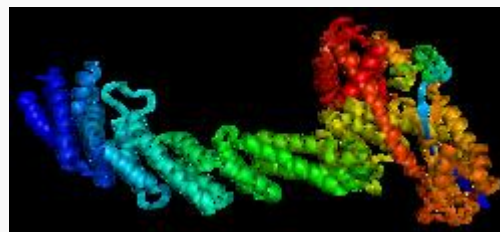
UniProt ID P62877

Chromosome Location 22q13.2

Pathway Cell cycle; Nucleotide excision repair; Oocyte meiosis; Pathways in cancer; Renal cell carcinoma; Ubiquitin mediated proteolysis; TGF-beta signaling pathway; HIV Infection

Function NEDD8 ligase activity; metal ion binding; protein binding; zinc ion binding

PDB rendering based on 1iru.



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