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Cullin 7 Antibody Blocking Peptide

Catalog Number: bs-9127P
Activity: Not tested
Purification: HPLC
Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: Component of a probable SCF-like E3 ubiquitin-protein ligase complex, which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably plays a role in the degradation of proteins involved in endothelial proliferation and/or differentiation (By similarity). Seems not to promote polyubiquitination and proteasomal degradation of TP53. In vitro, complexes of CUL7 with either CUL9 or FBXW8 or TP53 contain E3 ubiquitin-protein ligase activity.
Involvement in disease: Defects in CUL7 are the cause of 3M syndrome type 1 (3M1). An autosomal recessive disorder characterized by severe pre- and postnatal growth retardation, facial dysmorphism, large head circumference, and normal intelligence and endocrine function. Skeletal changes include long slender tubular bones and tall vertebral bodies.