

Recombinant Human Retinoblastoma-Associated Protein Fragment, 137a.a. with His-tag

Catalog No: #AP60452

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Package Size: #AP60452-1 10ug #AP60452-2 100ug #AP60452-3 500ug

Description

Product Name	Recombinant Human Retinoblastoma-Associated Protein Fragment, 137a.a. with His-tag
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Other Names	p105-Rb, pRb, pp110
Calculated MW	Approximately 16.5 kDa, a single non-glycosylated polypeptide chain containing 146 amino acids.
Target Sequence	MASFPSSPLR IPGGNIYISP LKSPYKISEG LPTPTKMTPR SRILVSIGES FGTSEKFQKI NQMVCNSDRV LKRSAEGSNP PKPLKLRFD IEGSDEADGS KHLPGESKFQ QKLAEMTSTR TRMQKQKMND SMDTSNKEEK HHHHHH
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. -□ A minimum of 12 months from date of receipt, when stored at ≤-20 °C as supplied. -□ 1 month, 2 to 8 °C under sterile conditions after reconstitution. -□ 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Background

Rb encoded by the RB1 gene in humans, is expressed by retina and belongs to the retinoblastoma-associated protein family. The whole protein consists of 928 a.a. and the rHuRb fragment occupies sequence of 792-929 a.a.. Rb is a key regulator of entry into cell division that acts as a tumor suppressor. It has many functions, for example, promotes G0-G1 transition when phosphorylated by CDK3/cyclin-C, and acts as a transcription repressor of E2F1 target genes and so on. The rHuRb is the region that rich of modified residue like phosphothreonine and N6-acetyllysine.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.