

# Recombinant Human Retinoblastoma-Associated Protein Fragment, 137a.a. with His-tag (rHuRb137, His)

## PrimeGene Technical Data Sheet

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<b>Catalog Number:</b>	601-09
<b>Source:</b>	<i>Escherichia coli</i> .
<b>Molecular Weight:</b>	Approximately 16.5 kDa, a single non-glycosylated polypeptide chain containing 146 amino acids.
<b>Quantity:</b>	10µg/50µg/1000µg
<b>AA Sequence:</b>	MASFPSSPLR IPGGNIYISP LKSPYKISEG LPTPTKMTPR SRILV SIGES FGTSEKFQKI NQMVCNSDRV LKRSAEGSNP PKPLKCLRFD IEGSDEADGS KHLPGESKFQ QKLAEMTSTR TRMQKQKMND SMDTSNKEEK <b>HHHHHH</b>
<b>Purity:</b>	> 95 % by SDS-PAGE and HPLC analyses.
<b>Physical Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
<b>Endotoxin:</b>	Less than 1EU/µg of rHuRb137, His as determined by LAL method.
<b>Reconstitution:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Shipping:</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage:</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"><li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li><li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li><li>● 3 months, -20 to -70 °C under sterile conditions after reconstitution.</li></ul>
<b>Usage:</b>	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. <b>NOT FOR HUMAN USE.</b>

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### ***Human Retinoblastoma-Associated Protein Fragment***

Rb encoded by the RB1 gene in humans, is expressed by retina and belongs to the etinoblastoma-associated protein family. The hole 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.