

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

PrimeGene Technical DataSheet

Catalog Number:	601-09
Source:	<i>Escherichia coli</i>
Molecular Weight:	Approximately 16.5 kDa, a single non-glycosylated polypeptide chain containing 146 amino acids.
Size:	10µg/ 100µg/ 500µg/ 1mg
AA Sequence:	MASFPSSPLR IPGGNIYISP LKSPYKISEG LPTPTKMTPR SRILVSIGES FGTSEKFQKI NQMVCNSDRV LKRSAEGSNP PKPLKKLRFD IEGSDEADGS KHLPGESKFQ QKLAEMTSTR TRMQKQKMND SMDTSNKEEK HHHHHH
Purity:	≥ 95 % by SDS-PAGE analysis.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 1EU/µg of rHuRb137, His as determined by LAL method.
Reconstitution:	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.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °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.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

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.