9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RB1 Human

Retinoblastoma Associated Protein Human Recombinant
RCP1823

Product Overview

Name	RB1 Human
Description	
Retinoblastoma Associated Protein Human Recombinant	
Accession (Primary)	P06400
Synonyms	
RB, OSRC, RB-1, RB1, p105-Rb, OSTEOSARCOMA, RETINOBLASTOMA-RELATED,PP110, Retinoblastoma-associated protein.	
Introduction	
Retinoblastoma (RB) is an embryonic malignant neoplasm of retinal origin. It almost always presents in early childhood and is often bilateral. Spontaneous regression ('cure') occurs in some cases. Retinoblastoma acts as a regulator of other genes and forms a complex with adenovirus e1a and with sv40 large t antigen. Retinoblastoma acts as a tumor suppressor and modulats functionally certain cellular proteins with which t and e1a compete for pocket binding. Retinoblastoma is potent inhibitor of e2f-mediated trans-activation, recruits and targets histone methyltransferase suv39h1 leading to epigenetic transcriptional repression, inhibits the intrinsic kinase activity of taf1.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The RB1 was lyophilized from 1xPBS pH-7.4.	
Stability	
Lyophilized Retinoblastoma although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Retinoblastoma should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MASFPSSPLRIPGGNIYISPLKSPYKISEGLPTPTKMTPRSRILVSIGESFG

TSEKFQKINQMVCNSDRVLKRSAEGSNPPKPLKKLRFDIEGSDEADGSK

HLPGESKFQQKLAEMTSTRTRMQKQKMNDSMDTSNKEEKHHHHHH.

Solubility

It is recommended to reconstitute the lyophilized Retinoblastoma in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

RB1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P06400)