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32-4613: Recombinant Human Retinoblastoma Associated Protein

Alternative Name : RB,OSRC,RB-1,RB1,p105-Rb,OSTEOSARCOMA,RETINOBLASTOMA-RELATED,PP110,Retinoblastoma-associated protein.

Description

Source : Escherichia Coli. Retinoblastoma Human Recombinant fused with 6X His tag produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 146 amino acids and having a molecular mass of 16.5 kDa.The Retinoblastoma is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The RB1 (1 mg/ml) was lyophilized after extensive dialyses against 1xPBS pH-7.4.
Storage condition :	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.
Amino Acid :	MASFPSSPLRIPGGNIYISPLKSPYKISEGLPTPTKMTPRSRILVSIGESFGTSEKFQKINQMVCNSDRVLKRSAEG SNPPKPLKKLRFDIEGSDEADGSKHLPGESKFQQKLAEMTSTRTRMQKQKMNDSMDTSNKEEKHHHHHH.

Application Note

It is recommended to reconstitute the lyophilized Retinoblastoma in sterile 18MÃ□Â©-cm H2O not less than 100 Ã□Âµg/ml, which can then be further diluted to other aqueous solutions.