

Recombinant Human RBL2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RBL2-881H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RBL2 MS Standard C13 and N15-labeled recombinant protein (NP_005602) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases KMT5B and KMT5C, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor.
Molecular Mass	128.3 kDa
AA Sequence	MPSGGDQSPPPPPPPPPAAAASDEEEEDDGEAEDAAPPAESPTPQIQQRFDLCSR LNMDEAARAEAWDSYRSMSESYTLEGNDLHWLACALYVACRKSVPVTVSKGTVEGN YVSLTRILKCSEQSLIEFFNKMKKWEDMANLPPHFRERTERLERNFTVSAVIFKKYEP IFQDIFKYPQEEQPRQQRGRKQRRQPCTVSEIFHFCWVLFYAKGNFPMISDDLVS

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YHLLLCALDLVYGNALQCSNRKELVNP NFKGLSEDFHAKDSKPSSDPPCII EKLC SLH
DGLVLEAKGIKEHFWKPYIRKLYEKKLLKGKEENLTGFLEPGNFGESFKAINKAYEEY
VLSVGNLDERIFLGEDAE EEEIGT LSRCLNAGSGTETAERVQMKNILQQHFDKSKALRI
STPLTGVRYIKENSPCVTPVSTATHSL SRLHTMLTGLRNAPSEKLEQILRTCSRDP TQ
AIANRLKEMFEIYSQHFQPD EDFS NCAKEIASKHFRFAEMLYYKVLESVIEQE QKRLG
DMDLSGILEQDAFHRSL LACCLEVVTFSYKPPGNFPFITEIFDVPLYHFYKVIEVFIRAE
DGLCREVVKHLNQIEEQILDHLAWKPESPLWEKIRDNENRVPTCEEVMPPQNLERA
DEICIAGSPLTPRRVTEVRADTGGLGRSITSPTTLYDRYSSPPASTTRRR L FVENDSP
SDGGTPGRMPPQPLVNAV PVQNVSGETVSVTPVPGQTLVTMATATVTANNGQTVTI
PVQGIANENGGITFFPVQVNVGGQAQAVTGSIQPLSAQALAGSLSSQQVTGTTLQV
PGQVAIQQISPGGQQQKQGQSVTSSSNRPRKTSSLSLFFRKVYHLAAVRLRDLCAK
LDISDEL RKKIWTCFEFSIIQCPELMMDRHL DQLLMCAIYVMAKVTKEDKSFQ NIMRC
YRTQPQARSQVYRSVL IKGKRKRNRNSGSSDSRSHQNSPTELNKDRTSRDSSPVMR
SSSTLPVPQPSSAPPTPTRLTGANS DMEEEEERGD LIQFYNNIYIKQIKTFAMKYSQAN
MDAPPLSPYPFVRTGSPRRIQLSQNHVPYISPHKNETMLSPREKIFYF SNSPSKRL
REINSMIHTGETPTKKRGILLEDGSESPAKRICPENHSALLRRLQDVANDRGSHTRTR
PLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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Gene Name	RBL2 RB transcriptional corepressor like 2 [Homo sapiens (human)]
Official Symbol	RBL2
Synonyms	RBL2; retinoblastoma-like 2 (p130); retinoblastoma-like protein 2; p130; Rb2; PRB2; RBR-2; retinoblastoma-related protein 2; 130 kDa retinoblastoma-associated protein; P130; FLJ26459;
Gene ID	5934
mRNA Refseq	NM_005611
Protein Refseq	NP_005602
MIM	180203
UniProt ID	Q08999
SDS-PAGE	