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Product datasheet for TP511690

Rbl2 (NM_011250) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse RB transcriptional corepressor like 2 (Rbl2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR211690 representing NM_011250
Red=Cloning site Green=Tags(s)

MASGGNQSPPPPPAAAASSEEEEEDGDAADRAQPAGSPSHQIQQRFEELCSRLNMDEAARAEAWSSYRSM
SESYTLEGNDLHWLACALYVACRKSVPTVSKGTAEGNYVSLTRILRCSEQSLIEFFNKMKKWEDMANLPP
HFRERTERLERNFTVSAVIFKKYEPIFQDIFKYPQEEQPRQQRGRKQRRQPCTTSEIFHFCWVLFIYAKG
NFPMISDDLVNSYHLLLCALDLVYGNALQCSNRKELVNPNFKGLSEDCHPKDSKASSDPPCVIEKLCSLH
DGLVLEAKGIKEHFWKPYIRKLFEKKLLKGKEENLTGFLEPGNFGESFKAVNKAYEEYVLAAGNLDERVF
LGEDAEEEVGTLSRCLSAASGTESAERTQMRDILQQHLDKSKALRVCTPLTGVRYVQENSPCVTPVSTAA
HSLSRLHTMLSGLRNAPSEKLERILRSCSRDPTQAIADRLKEMYEIYSQHFQPDENFSNCAKEIANKHFR
FAEMLYYKVLESVIEQEQKRLGDMDLSGVLEHDAFHRSLLACCLEVVAFSHKPPGNFPFIAEIFDVPHYH
FYKVIEVFIRAEDGLCREVVKHLNQIEEQILDHLAWKTKSPLWDRIRDNENRVPTCEEVMPPQNLERTDE
IYIAGSPLTPRRVGEVRADAGGLGRSITSPTTLYDRYSSPTVSTTRRRLFENDSPSEGSTSGRIPPQPLV
NAVPVQNVPGETVSVTPVPGQTLVTMATATVTANNGQTVTIPVQGIANENGGITFFPVQVNVGGQAQAVA
GSIQPLSAQALAGSLSSQQVTGTTLQVPGPVAIQQISPGGQQQNPGQPLTSSSIRPRKTSSLALFFRKVY
YLAGVRLRDLCIKLDISDELRKKIWTCFEFSIIQCTELMMDRHLDQLLMCAIYVMAKVTKEDRSFQNIMR
CYRTQPQARSQVYRSVLIKGKRRNSGSSESRSHQNSPTELNTDRASRDSSPVMRSNSTLPVPQPSSAPPT
PTRLTGASSDVEEEERGDLIQFYNNIYRKQIQAFAMKYSQANAQTDTPPLSPYPFVRTGSPRRVQLSQSH
PIYISPHNNEAMPSPREKIFYYFSNSPSKRLREINSMIRTGETPTKKRGILLDDGSESPAKRICPENHSA
LLRRLQDVANDRGSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 127.9 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_035380
Locus ID:	19651
UniProt ID:	Q64700
RefSeq Size:	4935
Cytogenetics:	8 44.25 cM
RefSeq ORF:	3405
Synonyms:	p130; PRB2; Rb2; RBR-2
Summary:	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. [UniProtKB/Swiss-Prot Function]