

Datasheet for ABIN7563993  
**p130 Protein (AA 1-1135) (His tag)**



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## Overview

Quantity:	1 mg
Target:	p130 (RBL2)
Protein Characteristics:	AA 1-1135
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This p130 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Rbl2 Protein expressed in mammalian cells.
Sequence:	<p>MASGGNQSPPPPPAAAASSE EEEEDGDAAD RAQPAGSPSH QIQRFEELC SRLNMDEAAR</p> <p>AEAWSSYRSM SESYTLGND LHWLACALYV ACRKSVPTVS KGTAEGNYVS LTRILRCSEQ</p> <p>SLIEFFNKMK KWEDMANLPP HFRERTERLE RNFTVSAVIF KKYEPFQDI FKYPQEEQPR</p> <p>QQRGRKQRRQ PCTTSEIFHF CWVLFYAKG NFPMISDDLVS NSYHLLLCAL DLVYGNALQC</p> <p>SNRKELVNPV FKGLSEDCHP KDSKASSDPP CVIEKLCSLH DGLVLEAKGI KEHFWKPYIR</p> <p>KLFEKKLLKG KEENLTGFLE PGNFGESFKA VNKAYEEYVL AAGNLDERVF LGEDAEEEVG</p> <p>TLSRCLSAAS GTESAERTQM RDILQQHLDK SKALRVCTPL TGVRYVQENS PCVTPVSTAA</p> <p>HSLRSLHTML SGLRNAPSEK LERILRCSR DPTQAIADRL KEMYEISQHF QPDENFSNC</p> <p>AKEIANKHFR FAEMLYYKVL ESVIEQEQKR LGMDLSGVL EHDAFHRSL ACCLEVVAFS</p> <p>HKPPGNFPFI AEIFDVPHYH FYKVIEVFIR AEDGLCREVV KHLNQIEEQI LDHLAWKTKS</p> <p>PLWDRIRDNE NRVPCTCEVM PPQNLERTDE IYIAGSPLTP RRVGEVRADA GGLGRSITSP</p> <p>TTLYDRYSSP TVSTTRRRLF ENDSPSEGST SGRIPPQPLV NAVPVQNVPG ETVSVTPVPG</p>

QTLVTMATAT VTANNGQTVT IPVQGANEN GGITFFPVQV NVGGQAQAVA GSIQPLSAQA  
LAGSLSSQV TGTTLQVPGP VAIQQISPGG QQQNPQGQPLT SSSIRPRKTS SLALFFRKVY  
YLAGVRLRDL CIKLDISDEL RKKIWTCFEF SIIQCTELMM DRHLDQLLMC AIYVMAKVTK  
EDRSFQNMIR CYRTQPQARS QVYRSVLIK GRRNSGSES RSHQNSPTEL NTDASRDSS  
PVMRSNSTLP VPQPSSAPPT PTRLTGASSD VEEEERGDLI QFYNNIYRKQ IQAFAMKYSQ  
ANAQTDTPPL SPYPFVRTGS PRRVQLSQSH PIYISPHNNE AMPSPREKIF YYFSNSPSKR  
LREINSMIRT GETPTKKRGI LLDDGSESPA KRICPENHSA LLRRLQDVAN DRGSQ **Sequence**  
**without tag. The proposed Purification-Tag is based on experiences with the expression**  
**system, a different complexity of the protein could make another tag necessary. In case you**  
**have a special request, please contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	p130 (RBL2)
Alternative Name:	Rbl2 ( <a href="#">RBL2 Products</a> )
Background:	Retinoblastoma-like protein 2 (130 kDa retinoblastoma-associated protein) (p130)

## Target Details

(Retinoblastoma-related protein 2) (RBR-2) (pRb2),FUNCTION: 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. {ECO:0000269|PubMed:15750587}.

Molecular Weight: 127.5 kDa

UniProt: [Q64700](#)

Pathways: [Cell Division Cycle, Mitotic G1-G1/S Phases](#)

## Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months