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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

RBBP8 (Human) Recombinant Protein (P01)

Catalog Number: H00005932-P01

Regulation Status: For research use only (RUO)

Product Description: Human RBBP8 full-length ORF (NP_002885.1, 1 a.a. - 897 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MNISGSSCGSPNSADTSSDFKDLWTKLKECHDREVEQ
GLQVKVTKLKQERILDAQRLEEFFTKNQQLREQQKVL
HETIKVLEDRLRAGLCDRCVTEEHMRKKQQEFENIR
QQNLKLITELMNERNTLQEENKKLSEQLQQKIENDQQ
HQAEELECEEDVIPDSPITAFSFGVNRRLRRKENPHVR
YIEQTHTKLEHSVCANEMRKVSKSSSTHPQHNPENEIL
VADTYDQSQSPMAKAHGTSSYTPDKSSFNLATVVAET
LGLGVQEESEETQGPMSPGLDELYHCLEGNHKKQPF
ESTRNTEDSLRFS DSTSKTPPQEELPTRVSSPVFGAT
SSIKSGLDLNTSLSPSLLQPGKKHKLKLPFSNTCISRL
EKTRKSSEDSALFTHHSLGSEVNKIIQSSNKQILINKNI
SESLGEQNRTEY GKDSNTDKHLEPLKSLGGRTSKRKK
TEEESEHEVSCPQASFDKENAFPPMDNQFSMNGDC
VMDKPLDLSDRFSAIQRQEKSQGSSETSKNKFRQVTLY
EALKTIPKGFSSSRKASDGNCTLPKDSPEPCSQECIIL
QPLNKSPDNKPSLQIKEENAVFKIPLRPRESLETENV
LDDIKSAGSHEPIKQTRSDHGGCELASVLQLNPCRTG
KIKSLQNNQDV SFENIQWSIDPGADLSQYKMDVTVIDT
KDGSQSKLGGETVDM DCTLVSETVLLKMKKQE QKGE
KSSNEERKMND SLEDMFDRTTHEEYESCLADSFSQA
ADEEEELSTATK KLHTHGDKQDKVKQAFVEPYFKGD
ERETSLQNFPHIEVVRKKEERRKLLGHTCKECEIYYAD
MPAEEREKKLASC SRHRFRYIPNPENFWVGF PST
QTCMERYIKEDLDPCPRPKRRQPYNAIFSPKGKEQK
T

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 128.3

Interspecies Antigen Sequence: Mouse (76); Rat (75)

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5932

Gene Symbol: RBBP8

Gene Alias: CTIP, RIM

Gene Summary: The protein encoded by this gene is a ubiquitously expressed nuclear protein. It is found among several proteins that bind directly to retinoblastoma protein, which regulates cell proliferation. This protein complexes with transcriptional co-repressor CTBP. It is also associated with BRCA1 and is thought to modulate the functions of BRCA1 in transcriptional regulation, DNA repair, and/or cell cycle checkpoint control. It is suggested that this gene may itself be a tumor suppressor acting in the same pathway as BRCA1. Three transcript variants encoding two different isoforms have been found for this gene. More transcript variants exist, but their full-length natures have not been determined. [provided by RefSeq]

References:

1. SUMOylation mediates CtIP's functions in DNA end resection and replication fork protection. Andrew J Locke, Lazina Hossain, Glynnis McCrostie, Daryl A Ronato, Amira Fitieh, Tanzeem Ahmed Rafique, Fatemeh Mashayekhi, Mobina Motamedi, Jean-Yves Masson, Ismail Hassan Ismail. *Nucleic Acids Res.* 2021 Jan 25;49(2):928-953. doi: 10.1093/nar/gkaa1232.
2. FANCD2 Binds CtIP and Regulates DNA-End Resection during DNA Interstrand Crosslink Repair. Unno J, Itaya A, Taoka M, Sato K, Tomida J, Sakai W, Sugasawa K, Ishiai M, Ikura T, Isobe T, Kurumizaka H, Takata M. *Cell Rep.* 2014 Apr 30. pii: S2211-1247(14)00292-7. doi:

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10.1016/j.celrep.2014.04.005.