

R Cbwd1 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP20490b

Specification

R Cbwd1 Blocking Peptide (C-term) - Product Information

Primary Accession

[Q99MB4](#)**R Cbwd1 Blocking Peptide (C-term) - Additional Information**

Gene ID 171057

Other Names

COBW domain-containing protein 1, Cobalamin synthase W domain-containing protein 1, Cbwd1

Target/Specificity

The synthetic peptide sequence is selected from aa 340-351 of Rat Cbwd1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

R Cbwd1 Blocking Peptide (C-term) - Protein Information

Name Zng1

Synonyms Cbwd1

Function

Zinc chaperone that directly transfers zinc cofactor to target metalloproteins, thereby activating them. Catalyzes zinc insertion into the active site of methionine aminopeptidase METAP1, which function to cleave the initiator methionine from polypeptides during or after protein translation. Mechanistically, the N-terminal psi-PxLVp motif binds to the C6H2-type zinc finger of inactive form of METAP1. After formation of the docked complex, zinc is transferred from the CXCC motif in the GTPase domain of ZNG1 to the zinc binding site in the peptidase domain of METAP1 in a process requiring GTP hydrolysis. GTP/GDP exchange is required for release of active METAP1.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q8VEH6}.

R Cbwd1 Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

R Cbwd1 Blocking Peptide (C-term) - Images**R Cbwd1 Blocking Peptide (C-term) - References**

Shi J., et al. Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.