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CBWD6 Blocking Peptide(Center)
Synthetic peptide
Catalog # BP19798c

Specification

CBWD6 Blocking Peptide(Center) - Product Information

Primary Accession	Q4V339
Other Accession	NP_001078926.1

CBWD6 Blocking Peptide(Center) - Additional Information

Gene ID 644019

Other Names
COBW domain-containing protein 6, Cobalamin synthase W domain-containing protein 6, CBWD6

Target/Specificity
The synthetic peptide sequence is selected from aa 208-221 of HUMAN CBWD6

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.

CBWD6 Blocking Peptide(Center) - Protein Information

Name ZNG1F (HGNC:31978)

Function
Zinc chaperone that directly transfers zinc cofactor to target metalloproteins, thereby activating them (By similarity). 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 (PubMed:35584702). Mechanistically, the N-terminal psi-PxLVp motif binds to the C6H2-type zinc finger of inactive form of METAP1 (By similarity). After formation of the docked complex, zinc is transferred from the CXCC motif in the GTPase domain of ZNG1F to the zinc binding site in the peptidase domain of METAP1 in a process requiring GTP hydrolysis (By similarity). GTP/GDP exchange is required for release of active METAP1 (By similarity).

Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q8VEH6}.

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CBWD6 Blocking Peptide(Center) - Protocols

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

- Blocking Peptides

CBWD6 Blocking Peptide(Center) - Images

CBWD6 Blocking Peptide(Center) - Background

The function of this protein is unknown.

CBWD6 Blocking Peptide(Center) - References

Strausberg, R.L., et al. Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903(2002)