

RPL13 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP22061c**Specification**

RPL13 Blocking Peptide (Center) - Product Information

Primary Accession [P26373](#)
Other Accession [Q56JZ1](#), [Q9Z313](#), [P47963](#), [P41123](#)

RPL13 Blocking Peptide (Center) - Additional Information

Gene ID 6137

Other Names

60S ribosomal protein L13, Breast basic conserved protein 1, RPL13, BBC1

Target/Specificity

The synthetic peptide sequence is selected from aa 69-82 of HUMAN RPL13

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.

RPL13 Blocking Peptide (Center) - Protein Information

Name RPL13

Synonyms BBC1

Function

Component of the ribosome, a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:31630789, PubMed:23636399, PubMed:32669547). The small ribosomal subunit (SSU) binds messenger RNAs (mRNAs) and translates the encoded message by selecting cognate aminoacyl-transfer RNA (tRNA) molecules (Probable). The large subunit (LSU) contains the ribosomal catalytic site termed the peptidyl transferase center (PTC), which catalyzes the formation of peptide bonds, thereby polymerizing the amino acids delivered by tRNAs into a polypeptide chain (Probable). The nascent polypeptides leave the ribosome through a tunnel in the LSU and interact with protein factors that function in enzymatic processing, targeting, and the membrane insertion of nascent chains at the exit of the ribosomal tunnel (Probable). As part of the LSU, it is probably required for its formation

and the maturation of rRNAs (PubMed:31630789). Plays a role in bone development (PubMed:31630789).

Cellular Location

Cytoplasm

Tissue Location

Higher levels of expression in benign breast lesions than in carcinomas.

RPL13 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

RPL13 Blocking Peptide (Center) - Images**RPL13 Blocking Peptide (Center) - References**

Adams S.M.,et al.Hum. Mol. Genet. 1:91-96(1992).
Shichijo S.,et al.Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Martin J.,et al.Nature 432:988-994(2004).
Daub H.,et al.Mol. Cell 31:438-448(2008).