RPS4X Blocking Peptide (C-Term)
Synthetic peptide
Catalog # BP22116b

Specification

RPS4X Blocking Peptide (C-Term) - Product Information

Primary Accession	P62701
Other Accession	Q76N24, P62705, Q76MY1, P62704, O62738, P62702, P62703, O62739, P79103, P47836, P47961, P49401, Q6PBC4

RPS4X Blocking Peptide (C-Term) - Additional Information

Gene ID 6191

Other Names
40S ribosomal protein S4, X isoform, SCR10, Single copy abundant mRNA protein, RPS4X, CCG2, RPS4, SCAR

Target/Specificity
The synthetic peptide sequence is selected from aa 229-243 of HUMAN RPS4X

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.

RPS4X Blocking Peptide (C-Term) - Protein Information

Name RPS4X (HGNC:10424)

Synonyms CCG2, RPS4, SCAR

Function
Component of the small ribosomal subunit. The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:23636399). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797).

Cellular Location
Cytoplasm. Nucleus, nucleolus. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

RPS4X Blocking Peptide (C-Term) - Protocols

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

 • [Blocking Peptides](#)

RPS4X Blocking Peptide (C-Term) - Images

RPS4X Blocking Peptide (C-Term) - References

 Fisher E.M.C.,et al.Cell 63:1205-1218(1990).
Watanabe M.,et al.J. Cell Sci. 100:35-43(1991).
Zuo L.,et al.Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Dmitrenko V.V.,et al.Submitted (APR-1996) to the EMBL/GenBank/DDBJ databases.