RPL14 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	RPL14, Blocking Peptide
Full Product Name	RPL14 Peptide - C-terminal region
Product Gene Name	RPL14 blocking peptide
Product Synonym Gene Name	CAG-ISL-7; CTG-B33; L14; MGC88594; RL14; hRL14
Sequence	KITAASKKAP AQKVPAQKAT GQKAAPAPKA QKGQKAPAQK APAPKASGKK
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	RPL14 peptide (MBS3240210) is used for blocking the activity of RPL14 antibody (MBS3215307)
Molecular Weight	24kDa
Product Categories/Family for RPL14 blocking peptide	Peptide
Applications Tested/Suitable for RPL14 blocking peptide	Western Blot (WB)
Related Product Information for RPL14 blocking peptide	This is a synthetic peptide designed for use in combination with anti-RPL14 Antibody, made Target Description: Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L14E family of ribosomal proteins. It contains a basic region-leucine zipper (bZIP)-like domain. The protein is located in the cytoplasm. This gene contains a trinucleotide (GCT) repeat tract whose length is highly polymorphic; these triplet repeats result in a stretch of alanine residues in the encoded protein. Transcript variants utilizing alternative polyA signals and alternative 5'-terminal exons exist but all encode the same protein. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
Other Notes	Small volumes of RPL14 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RPL14 purchase	MBS3240210 is a blocking peptide targeting RPL14. Also known as RPL14 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RPL14. It may not necessarily be applicable to this product.

NCBI GI #	78000181
NCBI GeneID	9045
NCBI Accession #	NP_003964
UniProt Primary Accession #	P50914
UniProt Related Accession #	P50914

GenBank Nucleotide #	NM_003973
NCBI Official Full Name	60S ribosomal protein L14
NCBI Official Synonym Full Names	ribosomal protein L14
NCBI Official Symbol	RPL14
NCBI Official Synonym Symbols	L14; RL14; hRL14; CTG-B33; CAG-ISL-7
UniProt Protein Name	60S ribosomal protein L14
UniProt Synonym Protein Names	CAG-ISL 7
Protein Family	50S ribosomal protein
UniProt Gene Name	RPL14
UniProt Entry Name	RL14_HUMAN
NCBI Protein Information	60S ribosomal protein L14
NCBI Summary for RPL14	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L14E family of ribosomal proteins. It contains a basic region-leucine zipper (bZIP)-like domain. The protein is located in the cytoplasm. This gene contains a trinucleotide (GCT) repeat tract whose length is highly polymorphic; these triplet repeats result in a stretch of alanine residues in the encoded protein. Transcript variants utilizing alternative polyA signals and alternative 5'-terminal exons exist but all encode the same protein. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]
UniProt Comments for RPL14	RPL14: a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L14E family of ribosomal proteins. It contains a basic region-leucine zipper (bZIP)-like domain. The protein is located in the cytoplasm. This gene contains a trinucleotide (GCT) repeat tract whose length is highly polymorphic; these triplet repeats result in a stretch of alanine residues in the encoded protein. Transcript variants utilizing alternative polyA signals and alternative 5'-terminal exons exist but all encode the same protein. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008] Protein type: Ribosomal; Translation Chromosomal Location of Human Ortholog: 3p22-p21.2 Cellular Component: membrane; cytoplasm; cytosol Molecular Function: protein binding; structural constituent of ribosome; RNA binding Biological Process: SRP-dependent cotranslational protein targeting to membrane; translational elongation; cellular protein metabolic process; translation; viral reproduction; mRNA catabolic process, nonsense-mediated decay; translational initiation; viral transcription; gene expression; translational termination; ribosomal large subunit biogenesis and assembly; viral infectious cycle; rRNA processing
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