RPL37 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	RPL37, Blocking Peptide
Full Product Name	RPL37 Blocking Peptide
Product Gene Name	RPL37 blocking peptide
Product Synonym Names	60S ribosomal protein L37; DKFZp686G1699; G1.16; MGC99572; ribosomal protein L37
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	RPL37 peptide (MBS9628154) is used for blocking the activity of RPL37 antibody (MBS9609450)
Molecular Weight	11,078 Da
OMIM	604181
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for RPL37 blocking peptide	Blocking/Control
Related Product Information for RPL37 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of RPL37 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 RPL37 purchase	MBS9628154 is a blocking peptide targeting RPL37.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RPL37. It may not necessarily be applicable to this product.

NCBI GI #	4506641
NCBI GeneID	6167
NCBI Accession #	NP_000988.1
UniProt Primary Accession #	P61927
UniProt Secondary Accession #	P02403; Q6IBB4; Q99883; B2R4H2
UniProt Related Accession #	P61927

GenBank Nucleotide #	NM_000997.4
NCBI Official Full Name	60S ribosomal protein L37
NCBI Official Synonym Full Names	ribosomal protein L37
NCBI Official Symbol	RPL37
NCBI Official Synonym Symbols	L37
UniProt Protein Name	60S ribosomal protein L37
UniProt Synonym Protein Names	G1.16
Protein Family	60S ribosomal protein
UniProt Gene Name	RPL37
UniProt Entry Name	RL37_HUMAN
NCBI Protein Information	60S ribosomal protein L37
NCBI Summary for RPL37	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 L37E family of ribosomal proteins. It is located in the cytoplasm. The protein contains a C2C2-type zinc finger-like motif. 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 RPL37	Function: Binds to the 23S rRNA By similarity. Cofactor: Binds 1 zinc ion per subunit By similarity. Sequence similarities: Belongs to the ribosomal protein L37e family.
Research Articles on RPL37	**1.** RPL37, RPS15 and RPS20 regulate the Mdm2-p53-MdmX network but employ different mechanisms to do so.
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