IMP3 Blocking Peptide – >85% Purity

PRODUCT OVERVIEW

Product Name	IMP3, Blocking Peptide
Full Product Name	IMP3 Blocking Peptide
Product Gene Name	IMP3 blocking peptide
Product Synonym Names	C15orf12; MRPS4; U3 small nucleolar ribonucleoprotein protein IMP3; U3 snoRNP protein IMP3; BRMS2
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	>85%
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Antibody/Peptide Pairs	IMP3 peptide (MBS8247960) is used for blocking the activity of IMP3 antibody (MBS8248248)
Molecular Weight	21,850 Da
OMIM	612980
Quality Control	The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.
Applications Tested/Suitable for IMP3 blocking peptide	Blocking (BL)
Application Notes for IMP3 blocking peptide	Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4 degree C for overnight or at room temperature for 2 hours.
Related Product Information for IMP3 blocking peptide	MBS8247960 is a blocking peptide targeting IMP3. Reactive in Human. Host: Synthetic. The peptide is used to block Anti-IMP3 Antibody reactivity.
Other Notes	Small volumes of IMP3 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IMP3. It may not necessarily be applicable to this product.

NCBI GI #	8922794
NCBI GeneID	55272
NCBI Accession #	NP_060755.1
UniProt Primary Accession #	Q9NV31
UniProt Secondary Accession #	Q53G10; B3KQ67
UniProt Related Accession #	Q9NV31
GenBank Nucleotide #	NM_018285.3
NCBI Official Full Name	U3 small nucleolar ribonucleoprotein protein IMP3
NCBI Official Synonym Full Names	IMP3, U3 small nucleolar ribonucleoprotein

NCBI Official Symbol	IMP3
NCBI Official Synonym Symbols	BRMS2; MRPS4; C15orf12
UniProt Protein Name	U3 small nucleolar ribonucleoprotein protein IMP3
UniProt Synonym Protein Names	BRMS2
Protein Family	U3 small nucleolar ribonucleoprotein protein
UniProt Gene Name	IMP3
UniProt Synonym Gene Names	C15orf12; MRPS4; U3 snoRNP protein IMP3
UniProt Entry Name	IMP3_HUMAN
NCBI Protein Information	U3 small nucleolar ribonucleoprotein protein IMP3
NCBI Summary for IMP3	This gene encodes the human homolog of the yeast Imp3 protein. The protein localizes to the nucleoli and interacts with the U3 snoRNP complex. The protein contains an S4 domain. [provided by RefSeq, Jul 2008]
UniProt Comments for IMP3	IMP3: Component of the 60-80S U3 small nucleolar ribonucleoprotein (U3 snoRNP). Required for the early cleavages during pre-18S ribosomal RNA processing. Belongs to the ribosomal protein S4P family. Protein type: Nucleolus; RNA processing; RNA-binding Chromosomal Location of Human Ortholog: 15q24 Cellular Component: nucleolus; nucleoplasm; nucleus; small ribosomal subunit; small subunit processome Molecular Function: protein binding; rRNA binding; snoRNA binding; structural constituent of ribosome Biological Process: positive regulation of translational fidelity; rRNA processing
Research Articles on IMP3	**1.** IMP3 expression in biopsy specimens could be used to predict lymph node metastasis and TNM stage in colorectal cancer patients
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