RNA Polymerase II Subunit B1 CTD Phosphatase Rpap2 (RPAP2) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	RNA polymerase II subunit B1 CTD phosphatase Rpap2 (Rpap2), Recombinant Protein
Full Product Name	Recombinant Rat RNA polymerase II subunit B1 CTD phosphatase Rpap2 (Rpap2)
Product Gene Name	Rpap2 recombinant protein
Product Synonym Gene Name	Rpap2
Sequence	ADSAVPYSLG PSARASSTHR VATGTKQTSA LKRRDASKRQ AELEAALQRK VESERRAVRL VEQLLEENIT EEFLKECGMF ITPAHYSDVV DERAIIKLCG YPLCQKKLGV IPKQKYRIST KTNKVYDITE RKSFCSNFCY KASKFFEAQI PKTPVWVREE ERPPEFQLLK KGQSGCSGEV VQFFRDAVTA ADVDAYGAFD AQCEPASSST WSERASDERA SDEEGPGFVS SLLPGNRPKA VGTKPQPHRQ SSTVKKKAAQ KMTSKHGEQT VSEVTEQLSN CRLDSQEKVA TCKLPAKKEN TQISSPGPLC DRLNTSTVSE NKHSVSQVTL VGISKKSAEH FRSKFAKSNP GSGSASGLVQ VRPEVAKANL LRVLKDTLTE WKTDETLKFL YGQDHGSVCL QPSAASGPDE ELDEDDISCQ AQNTLDETLP FRGSDTAIKP LPSYESLKKE TEMLNLRVRE FYRGRCVLNE DSTKSQDSKE NELQRDPSFP LIDSSSQNQI RRRIVLEKLS KVLPGLLGPL QITMGDIYTE LKNLVQTFRL SNRNIIHKPV EWTLIAVVLL SLLTPILGIQ KHSPKNVVFT QFIATLLTEL HLKCEDLENL AMIFRTSC
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	67,334 Da
Sequence Positions	2-609, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q5I0E6
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Rpap2 recombinant protein	MBS1341454 is a recombinant protein targeting Rpap2. Also known as Recombinant Rat RNA polymerase II subunit B1 CTD phosphatase Rpap2 (Rpap2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Rpap2 recombinant protein 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 Rpap2. It may not necessarily be applicable to this product.

NCBI GI #	62078703
NCBI GeneID	305120

NCBI Accession #	NP_001014009.1
UniProt Primary Accession #	Q5I0E6
UniProt Secondary Accession #	D4A5J9; D4A672
UniProt Related Accession #	Q5I0E6
GenBank Nucleotide #	NM_001013987.1
NCBI Official Full Name	RNA polymerase II subunit B1 CTD phosphatase Rpap2
NCBI Official Synonym Full Names	RNA polymerase II associated protein 2
NCBI Official Symbol	Rpap2
NCBI Official Synonym Symbols	RGD1309034
UniProt Protein Name	RNA polymerase II subunit B1 CTD phosphatase Rpap2
UniProt Synonym Protein Names	Putative RNA polymerase II-associated protein 2
Protein Family	Putative RNA polymerase II subunit B1 CTD phosphatase
UniProt Gene Name	Rpap2
NCBI Protein Information	RNA polymerase II subunit B1 CTD phosphatase Rpap2
UniProt Comments for Rpap2	Protein phosphatase that displays CTD phosphatase activity and regulates transcription of snRNA genes. Recognizes and binds phosphorylated 'Ser-7' of the C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and mediates dephosphorylation of 'Ser-5' of the CTD, thereby promoting transcription of snRNA genes.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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