FACT Complex Subunit POB3 (POB3) Ustilago Maydis Recombinant Protein

PRODUCT OVERVIEW

Product Name	FACT complex subunit POB3 (POB3), Recombinant Protein
Full Product Name	Recombinant Ustilago maydis FACT complex subunit POB3 (POB3), partial
Product Gene Name	POB3 recombinant protein
Product Synonym Gene Name	POB3
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	61,933 Da
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 Q4P647
Species	Ustilago maydis (strain 521 / FGSC 9021) (Smut fungus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for POB3 recombinant protein	MBS1346744 is a recombinant protein targeting POB3. Also known as Recombinant Ustilago maydis FACT complex subunit POB3 (POB3), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of POB3 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 POB3. It may not necessarily be applicable to this product.

NCBI GI #	758983544
NCBI GeneID	23564609
NCBI Accession #	XP_011391110.1
UniProt Primary Accession #	Q4P647
UniProt Secondary Accession #	A0A0D1DXS7
UniProt Related Accession #	Q4P647
GenBank Nucleotide #	XM_011392808.1
NCBI Official Full Name	putative protein that binds to DNA polymerase I
NCBI Official Symbol	UMAG_04416

UniProt Protein Name	FACT complex subunit POB3
UniProt Synonym Protein Names	Facilitates chromatin transcription complex subunit POB3
Protein Family	FACT complex
UniProt Gene Name	POB3
NCBI Protein Information	putative protein that binds to DNA polymerase I
UniProt Comments for POB3	Component of the FACT complex, a general chromatin factor that acts to reorganize nucleosomes. The FACT complex is involved in multiple processes that require DNA as a template such as mRNA elongation, DNA replication and DNA repair. During transcription elongation the FACT complex acts as a histone chaperone that both destabilizes and restores nucleosomal structure. It facilitates the passage of RNA polymerase II and transcription by promoting the dissociation of one histone H2A-H2B dimer from the nucleosome, then subsequently promotes the reestablishment of the nucleosome following the passage of RNA polymerase II ().
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