# Regulatory Protein SWI6 (SWI6) Saccharomyces Cerevisiae Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Regulatory protein SWI6 (SWI6), Recombinant Protein |
| **Full Product Name** | Recombinant Saccharomyces cerevisiae Regulatory protein SWI6 (SWI6) , partial |
| **Product Gene Name** | SWI6 recombinant protein |
| **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** | 90,560 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 P09959 |
| **Species** | Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for SWI6 recombinant protein** | MBS1218249 is a recombinant protein targeting SWI6. Also known as Recombinant Saccharomyces cerevisiae Regulatory protein SWI6 (SWI6) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of SWI6 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 SWI6. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 6323211 |
| **NCBI GeneID** | 850879 |
| **NCBI Accession #** | NP_013283.1 |
| **UniProt Primary Accession #** | P09959 |
| **UniProt Secondary Accession #** | D6VYI6 |
| **UniProt Related Accession #** | P09959 |
| **GenBank Nucleotide #** | NM_001182069.1 |
| **NCBI Official Full Name** | transcriptional regulator SWI6 |
| **NCBI Official Symbol** | SWI6 |
| **NCBI Official Synonym Symbols** | PSL8; SDS11 |

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| **UniProt Protein Name** | Regulatory protein SWI6 |
| **UniProt Synonym Protein Names** | Cell-cycle box factor subunit SWI6; MBF subunit P90; Trans-acting activator of HO endonuclease gene |
| **Protein Family** | Chromatin-associated protein |
| **UniProt Gene Name** | SWI6 |
| **NCBI Protein Information** | transcriptional regulator SWI6 |
| **UniProt Comments for SWI6** | Part of a complex involved in cell-cycle-dependent transcription. SWI4 and SWI6 are required for formation of the cell-cycle box factor-DNA complex. The repeated element in the upstream region of HO (5'-CACGAAAA-3') is called the cell cycle box (CCB).Miscellaneous: Present with 3340 molecules/cell in log phase SD medium. |
| **Research Articles on SWI6** | **1.** Swi4/Swi6 (SBF) factor binding at HO follows a temporal cascade, with SBF bound at upstream regulatory sequence (URS2-L) serving to relay a signal from URS1 to the SBF sites in URS2-R that ultimately activate gene expression. |
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