# Profilin LP04 (Osi_020954) (OsI_020954) Oryza Sativa Subsp. Indica Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Profilin LP04 (OsI_020954), Recombinant Protein |
| **Full Product Name** | Recombinant Oryza sativa subsp. indica Profilin LP04 (OsI_020954) |
| **Product Gene Name** | OsI_020954 recombinant protein |
| **Sequence** | SWQAYVDDHL MCEIDGNHLT AAAIVGHDGS VWAQSPNFPQ YKPEEITGIM KDFDEPGSLA PTGLFLGGTK YMVIQGEPGV VIRGKKGTGG ICVKKTGLSL ILGIYDEPMT PGQCNMIVER LGDYLIEQGC |
| **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** | 14,133 Da |
| **Sequence Positions** | 2-131, 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 P83647 |
| **Species** | Oryza sativa subsp. indica (Rice) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for OsI_020954 recombinant protein** | MBS1223288 is a recombinant protein targeting OsI_020954. Also known as Recombinant Oryza sativa subsp. indica Profilin LP04 (OsI_020954). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of OsI_020954 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 OsI_020954. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 187608855 |
| **NCBI Accession #** | P83647.2 |
| **UniProt Primary Accession #** | P83647 |
| **UniProt Secondary Accession #** | A2Y9G1 |
| **NCBI Official Full Name** | Profilin LP04 |
| **UniProt Protein Name** | Profilin LP04 |
| **Protein Family** | Profilin |

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| **UniProt Gene Name** | OsI_020954 |
| **UniProt Comments for OsI_020954** | Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG (). |
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