# Auxin-Responsive Protein IAA5 (IAA5) Oryza Sativa Subsp. Japonica Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Auxin-responsive protein IAA5 (IAA5), Recombinant Protein |
| **Full Product Name** | Recombinant Oryza sativa subsp. japonica Auxin-responsive protein IAA5 (IAA5) |
| **Product Gene Name** | IAA5 recombinant protein |
| **Product Synonym Gene Name** | IAA5 |
| **Sequence** | MSPPLEPHDY IGLSAAAASP TPSSSSCSSS PNPGGEARGP RLTLRLGLPG SESPEREVVA AGLTLGPLPP TTTKAASKRA FPDSSPRHGA SSGSVAAAAA CQDKAAPAAA PPAAKAQVVG WPPVRNYRKN TLAASASKGK GEDKGTAEGG PLYVKVSMDG APYLRKVDLK MYSSYEDLSM ALEKMFSCFI TGQSGLRKSS NRDRLTNGSK ADALQDQEYV LTYEDKDADW MLVGDLPWDL FTTICRKLKI MRGSDAAGIA PRSIEQSGQS R |
| **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** | 28,431 Da |
| **Sequence Positions** | 1-271, 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 Q0JKG7 |
| **Species** | Oryza sativa subsp. japonica (Rice) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for IAA5 recombinant protein** | MBS1356782 is a recombinant protein targeting IAA5. Also known as Recombinant Oryza sativa subsp. japonica Auxin-responsive protein IAA5 (IAA5). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of IAA5 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 IAA5. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 1002234898 |
| **NCBI GeneID** | 4325515 |
| **NCBI Accession #** | XP_015621658.1 |
| **UniProt Primary Accession #** | Q0JKG7 |
| **UniProt Secondary Accession #** | Q59AF3; Q8LQP8; A0A0P0V6H5 |

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| **UniProt Related Accession #** | Q0JKG7 |
| **GenBank Nucleotide #** | XM_015766172.1 |
| **NCBI Official Full Name** | auxin-responsive protein IAA5 |
| **NCBI Official Symbol** | LOC4325515 |
| **NCBI Official Synonym Symbols** | IAA5; IAA8; OsJ_002894; OJ1117_G01.13 |
| **UniProt Protein Name** | Auxin-responsive protein IAA5 |
| **UniProt Synonym Protein Names** | Indoleacetic acid-induced protein 5 |
| **Protein Family** | Auxin-responsive protein |
| **UniProt Gene Name** | IAA5 |
| **UniProt Synonym Gene Names** | IAA8 |
| **NCBI Protein Information** | auxin-responsive protein IAA5 |
| **UniProt Comments for IAA5** | Aux/IAA proteins are short-lived transcriptional factors that function as repressors of early auxin response genes at low auxin concentrations. |
| **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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