Zinc Finger Protein STAR3 (STAR3) Oryza Sativa Subsp. Japonica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Zinc finger protein STAR3 (STAR3), Recombinant Protein
Full Product Name	Recombinant Oryza sativa subsp. japonica Zinc finger protein STAR3 (STAR3)
Product Gene Name	STAR3 recombinant protein
Product Synonym Gene Name	STAR3
Sequence	MDRDQMTNTM RDQAANLTSM NPLFYPFMAD DALLGMAPPP PQQLLPSVSI QHMDWSPDTM LDNLTFIEEK IRQVKDVIRS MAGRRASSSS AATPEQQLVN ADLTCLIVQL ISTAGSLLPS LKNSSFLSRT TPPPAAAAGA AQAVSLAAGE SSSSARNNET NREDEEEQMG SPDYDELFKV WTNGGAMDEC VGAAGDEQDA RENPAAAAEE EKYEVLQLEE DEILAPHTHF CGICGKGFKR DANLRMHMRG HGDEYKSAAA LAKPPPPPEG EEQPPQPERR YSCPHAGCKR NRMHASFQPL KTILCVKNHY KRSHCEKRHV CGRCGAKRFS VMADLKTHEK HCGRDRWLCS CGTSFSRKDK LFAHVALFQG HAPALPPPPP PPTSGRRRHK QEEPEFTWGG GGGNEFLDVK GIAGVGSGSG GGDEFFSAGS FGAMDFGFGQ LDASLAMLLP SEQFAGDHQE ENGDK
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	50,598 Da
Sequence Positions	1-465, 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 Q2QX40
Species	Oryza sativa subsp. japonica (Rice)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for STAR3 recombinant protein	MBS1330350 is a recombinant protein targeting STAR3. Also known as Recombinant Oryza sativa subsp. japonica Zinc finger protein STAR3 (STAR3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of STAR3 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 STAR3. It may not necessarily be applicable to this product.

NCBI GI #	1002314764
NCBI GeneID	4351624
NCBI Accession #	XP_015620753.1
UniProt Primary Accession #	Q2QX40

UniProt Secondary Accession #	A0A0P0Y7G4
UniProt Related Accession #	Q2QX40
GenBank Nucleotide #	XM_015765267.1
NCBI Official Full Name	zinc finger protein STAR3
NCBI Official Symbol	LOC4351624
NCBI Official Synonym Symbols	STAR3
UniProt Protein Name	Zinc finger protein STAR3
UniProt Synonym Protein Names	Protein ALUMINUM RESISTANCE TRANSCRIPTION FACTOR 1; Protein ART1; Protein SENSITIVE TO ALUMINUM RHIZOTOXICITY 3
Protein Family	Zinc finger protein
UniProt Gene Name	STAR3
UniProt Synonym Gene Names	Protein ART1
NCBI Protein Information	zinc finger protein STAR3
UniProt Comments for STAR3	Transcriptional activator that regulates the expression of genes involved in aluminum (Al) tolerance. Binds to the promoter of STAR1 and regulates transcript expression of STAR1 STAR2 and ART1 required for Al tolerance.
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