Protein XRI1 (XRI1) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein XRI1 (XRI1), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Protein XRI1 (XRI1)
Product Gene Name	XRI1 recombinant protein
Product Synonym Gene Name	XRI1
Sequence	MDYGDDDRSS SWNWQVDNYN HQPQSHFSDV PDCTMTEVTL NQEDHSYMFD DENTPVKACS ELGYHVTTED TNRKMEVHSE TRSALKRRRM LQFEDQPETS LFSSESFSAI LKSSARDDTF DELLPEGSQL IEGFSEDASA SSFEGLDLYA EEWYADCLND AETPMLPDDL NFGSPDVQVD ISEYLNVPPE TETREVQRPV TRSSPNVIFK GRKSFSRPVS KLPSSIIYPF AFIKPCGVHG GMTLKDINQK IRNPPAKPKA HIEEPAVIQT SAFSGKPVVG KTKIRTEGGK GSITIMRTRG
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	29,690 Da
Sequence Positions	1-300, 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 Q6NLW5
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for XRI1 recombinant protein	MBS1348473 is a recombinant protein targeting XRI1. Also known as Recombinant Arabidopsis thaliana Protein XRI1 (XRI1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of XRI1 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 XRI1. It may not necessarily be applicable to this product.

NCBI GI #	238481516
NCBI GeneID	834930
NCBI Accession #	NP_001154770.1
UniProt Primary Accession #	Q6NLW5
UniProt Secondary Accession #	Q9FKC4

UniProt Related Accession #	Q6NLW5
GenBank Nucleotide #	NM_001161298.2
NCBI Official Full Name	x-ray induced transcript 1
NCBI Official Symbol	XRI1
NCBI Official Synonym Symbols	K24G6.5; K24G6_5; X-RAY INDUCED TRANSCRIPT; X-RAY INDUCED TRANSCRIPT 1; XRI
UniProt Protein Name	Protein XRI1
UniProt Synonym Protein Names	Protein X-RAY INDUCED 1
Protein Family	Protein
UniProt Gene Name	XRI1
NCBI Protein Information	x-ray induced transcript 1
NCBI Summary for XRI1	Encodes XRI1 (X-ray induced 1). Required for post-meiotic stages of pollen development and male and female meiosis. Maybe required for meiotic DNA repair. Inducible by X-ray. Homozygous xri1 mutants are sterile due to extensive chromosome fragmentation.
UniProt Comments for XRI1	Required for mitotic division of the generative cell nucleus and the development of mature tricellular pollen grains, and for male and female meiosis.
Research Articles on XRI1	**1.** XRI1 is a novel DNA repair factor that is essential for both meiosis and male gametogenesis in plants.
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