Protein SCAR4 (SCAR4) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein SCAR4 (SCAR4), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Protein SCAR4 (SCAR4) , partial
Product Gene Name	SCAR4 recombinant protein
Product Synonym Gene Name	SCAR4
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	128,618 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 Q5XPJ6
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SCAR4 recombinant protein	MBS1335830 is a recombinant protein targeting SCAR4. Also known as Recombinant Arabidopsis thaliana Protein SCAR4 (SCAR4) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SCAR4 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 SCAR4. It may not necessarily be applicable to this product.

NCBI GI #	1063729337
NCBI GeneID	831687
NCBI Accession #	NP_001318456.1
UniProt Primary Accession #	Q5XPJ6
UniProt Secondary Accession #	Q9LCZ7
UniProt Related Accession #	Q5XPJ6
GenBank Nucleotide #	NM_001342607.1
NCBI Official Full Name	SCAR family protein 4
NCBI Official Symbol	SCAR4

NCBI Official Synonym Symbols	ATSCAR4; F7A7.250; F7A7_250; SCAR family protein 4; WAVE3
UniProt Protein Name	Protein SCAR4
UniProt Synonym Protein Names	Protein WAVE3
Protein Family	Protein
UniProt Gene Name	SCAR4
UniProt Synonym Gene Names	AtSCAR4
NCBI Protein Information	SCAR family protein 4
NCBI Summary for SCAR4	Encodes a member of the SCAR family.These proteins are part of a complex (WAVE) complex.The SCAR subunit activates the ARP2/3 complex which in turn act as a nucleator for actin filaments.
UniProt Comments for SCAR4	Involved in regulation of actin and microtubule organization. Part of a WAVE complex that activates the Arp2/3 complex. Regulates trichome branch positioning and expansion.
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