Adenomatous Polyposis Coli Protein-Related Protein 1 (41365) (APR1) Caenorhabditis Elegans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Adenomatous polyposis coli protein-related protein 1 (41365) (APR1), Recombinant Protein
Full Product Name	Recombinant Caenorhabditis elegans Adenomatous polyposis coli protein-related protein 1 (41365), partial
Product Gene Name	APR1 recombinant protein
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	131,714 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 Q21227
Species	Caenorhabditis elegans
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for APR1 recombinant protein	MBS1483730 is a recombinant protein targeting APR1. Also known as Recombinant Caenorhabditis elegans Adenomatous polyposis coli protein-related protein 1 (41365), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of APR1 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 APR1. It may not necessarily be applicable to this product.

NCBI GI #	71988399
NCBI GeneID	172591
NCBI Accession #	NP_001021547.1
UniProt Primary Accession #	Q21227
UniProt Secondary Accession #	O62302
UniProt Related Accession #	Q21227
GenBank Nucleotide #	NM_001026376.4
NCBI Official Full Name	Adenomatous polyposis coli protein-related protein 1
NCBI Official Symbol	apr-1

UniProt Protein Name	Adenomatous polyposis coli protein-related protein 1
UniProt Gene Name	apr-1
UniProt Synonym Gene Names	APC-related protein 1
NCBI Protein Information	APC Related; Adenomatous polyposis coli protein-related protein 1
UniProt Comments for APR1	Has a role in endoderm cell specification and pharyngeal development (PubMed:9288750). Required for the migration of epithelial cells, organization of the anterior seam cells and ceh-13 expression during embryo morphogenesis. Prevents hyperactivation of the Wnt signaling pathway during endoderm development, probably by preventing hmp-2 nuclear translocation (PubMed:20805471). During larval development, apr-1 is required for expression of lin-39 in P3-8.p (PubMed:10766743). Shown to negatively regulate Wnt signaling in vulval precursor cells (PubMed:12023306). Has a role in cell division by establishing the polarity of the mother cell which forms the asymmetries of the daughter nuclei (PubMed:17276345). Thought to regulate export of wrm-1 from the nucleus possibly as part of a complex involving pry-1 (PubMed:12023307).
Research Articles on APR1	**1.** The polarity of APR-1 cortical localization is controlled by PRY-1 (C. elegans Axin), such that PRY-1 controls the polarity of both SYS-1 and WRM-1 asymmetries.
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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