Uncharacterized Protein KIAA0146 (KIAA0146) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Uncharacterized protein KIAA0146 (KIAA0146), Recombinant Protein
Full Product Name	Recombinant Human Uncharacterized protein KIAA0146 (KIAA0146) , partial
Product Gene Name	KIAA0146 recombinant protein
Product Synonym Gene Name	KIAA0146
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	96,870 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.
OMIM	615384
3D Structure	ModBase 3D Structure for Q14159
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for KIAA0146 recombinant protein	MBS1385650 is a recombinant protein targeting KIAA0146. Also known as Recombinant Human Uncharacterized protein KIAA0146 (KIAA0146) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of KIAA0146 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 KIAA0146. It may not necessarily be applicable to this product.

NCBI GI #	145301598
NCBI GeneID	23514
NCBI Accession #	NP_001073863.1
UniProt Primary Accession #	Q14159
UniProt Secondary Accession #	Q96BI5; B4DFV2; B4E0Y6
UniProt Related Accession #	Q14159
GenBank Nucleotide #	NM_001080394.3

NCBI Official Full Name	DNA repair-scaffolding protein isoform 1
NCBI Official Synonym Full Names	scaffold protein involved in DNA repair
NCBI Official Symbol	SPIDR
NCBI Official Synonym Symbols	KIAA0146
UniProt Protein Name	DNA repair-scaffolding protein
UniProt Synonym Protein Names	Scaffolding protein involved in DNA repair
UniProt Gene Name	SPIDR
UniProt Synonym Gene Names	KIAA0146
NCBI Protein Information	DNA repair-scaffolding protein
UniProt Comments for KIAA0146	Plays a role in DNA double-strand break (DBS) repair via homologous recombination (HR). Serves as a scaffolding protein that helps to promote the recruitment of DNA-processing enzymes like the helicase BLM and recombinase RAD51 to site of DNA damage, and hence contributes to maintain genomic integrity.
Research Articles on KIAA0146	**1.** A biallelic mutation in SPIDR may be associated with ovarian dysgenesis in cases of autosomal recessive inheritance.
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