Fat-Like Cadherin-Related Tumor Suppressor Homolog (kug) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fat-like cadherin-related tumor suppressor homolog (kug), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Fat-like cadherin-related tumor suppressor homolog (kug), partial
Product Gene Name	kug recombinant protein
Product Synonym Gene Name	kug
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	522,703 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 Q9VW71
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kug recombinant protein	MBS1305806 is a recombinant protein targeting kug. Also known as Recombinant Drosophila melanogaster Fat-like cadherin-related tumor suppressor homolog (kug), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kug 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 kug. It may not necessarily be applicable to this product.

NCBI GI #	442633558
NCBI GeneID	40191
NCBI Accession #	NP_001027138.2
UniProt Primary Accession #	Q9VW71
UniProt Secondary Accession #	Q95S51; A4V252
UniProt Related Accession #	Q9VW71
GenBank Nucleotide #	NM_001031967.2
NCBI Official Full Name	kugelei, isoform D

NCBI Official Synonym Full Names	kugelei
NCBI Official Symbol	kug
NCBI Official Synonym Symbols	Cad76E; CG7749; CT23445; DCad76E; DmelCG7749; fat2; ftl; Ftl; kugel; RE-A
UniProt Protein Name	Fat-like cadherin-related tumor suppressor homolog
UniProt Synonym Protein Names	Protein kugelei
Protein Family	Fat-like cadherin-related tumor suppressor
UniProt Gene Name	kug
UniProt Synonym Gene Names	fat2
NCBI Protein Information	CG7749 gene product from transcript CG7749-RE
UniProt Comments for kug	Required for the planar polarity of actin filament orientation at the basal side of ovarian follicle cells. Required for proper egg chamber shape; elongation of the egg chamber during oogenesis.
Research Articles on kug	**1.** Data show that the atypical cadherin Fat2 directs and orchestrates transmission of the intracellular actomyosin asymmetry cue onto a tissue plane and facilitate epithelial rotation in the opposite direction.
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