Serrate RNA Effector Molecule Homolog (ARS2) Drosophila Grimshawi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Serrate RNA effector molecule homolog (Ars2), Recombinant Protein
Full Product Name	Recombinant Drosophila grimshawi Serrate RNA effector molecule homolog (Ars2), partial
Product Gene Name	Ars2 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	114,437 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 B4J497
Species	Drosophila grimshawi (Fruit fly) (Idiomyia grimshawi)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ars2 recombinant protein	MBS1110978 is a recombinant protein targeting Ars2. Also known as Recombinant Drosophila grimshawi Serrate RNA effector molecule homolog (Ars2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Ars2 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 Ars2. It may not necessarily be applicable to this product.

NCBI GI #	195023545
NCBI GeneID	6560148
NCBI Accession #	XP_001985710.1
UniProt Primary Accession #	B4J497
UniProt Related Accession #	B4J497
GenBank Nucleotide #	XM_001985674.1
NCBI Official Full Name	GH20949
NCBI Official Symbol	DgriGH20949
NCBI Official Synonym Symbols	dgri_GLEANR_5156; GH20949

UniProt Protein Name	Serrate RNA effector molecule homolog
UniProt Synonym Protein Names	Arsenite-resistance protein 2 homolog
UniProt Gene Name	Ars2
NCBI Protein Information	GH20949 gene product from transcript GH20949-RA
UniProt Comments for Ars2	Acts as a mediator between the cap-binding complex (CBC) and RNA-mediated gene silencing (RNAi). Involved in innate immunity via the short interfering RNAs (siRNAs) processing machinery by restricting the viral RNA production. Also involved microRNA (miRNA)-mediated silencing by contributing to the stability and delivery of primary miRNA transcripts to the primary miRNA processing complex containing drosha and pasha ().
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