

Recombinant Human Argonaute-3/AGO3 Protein

Catalog No.: RP02965

Recombinant

1 Publications

Sequence Information

Species	Gene ID	Swiss Prot
Human	192669	Q9H9G7-1

Tags

N-His

Synonyms

EIF2C3;AGO3

Product Information

Source	Purification
Baculovirus-Insect Cells	>88% as determined by SDS-PAGE

Calculated MW	Observed MW
99.6 kDa	90 kDa

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM Tris, 500mM NaCl, pH 7.4, 10% gly.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

Argonaute (Ago) protein family plays a key role in the RNA interference (RNAi) process in different insects including Lepidopteran. AGO3 also coexists and interacts with Armitage in the mitochondrial fraction. Furthermore, AGO3 acts in conjunction with the mitochondria-associated protein Zucchini to control the dynamic subcellular localization of Armitage between mitochondria and nuage in a Slicer-dependent fashion.

Basic Information

Description

Recombinant Human Argonaute-3/AGO3 Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Ala860) of human Argonaute-3/AGO3 (Accession #NP_079128.2) fused with a 6×His tag at the N-terminus.

Bio-Activity

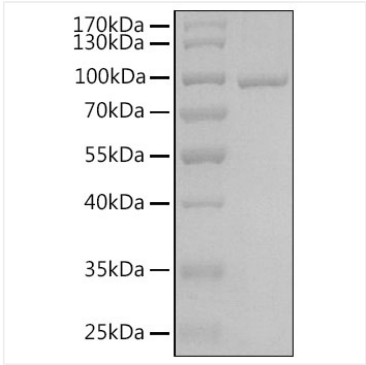
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Argonaute-3/AGO3
Protein was determined by SDS-PAGE with
Coomassie Blue, showing a band at 90 kDa.