Recombinant Human Argonaute-3/AGO3 Protein

Catalog No.: RP02965

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Sequence Information

Species
Human

Gene ID
192669

Swiss Prot
Q9H9G7-1

Tags
N-His

Synonyms
EIF2C3;AGO3

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 85 % as determined by SDS-PAGE.

Calculated MW
99.6 kDa

Observed MW
90 kDa

Endotoxin
< 1 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

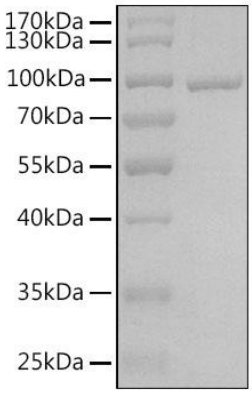
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Argonaute-3/AGO3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.