

# **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

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**Synonyms** EIF2C3;AGO3

## **Product Information**

Source Purification

Baculovirus-Insect ≥ 85 % as

Cells determined by SDSPAGE.

Calculated MW Observed MW

99.6 kDa 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.

## **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**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## Storage

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

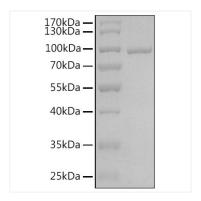
After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## **Operational Notes**

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

# **Validation Data**



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