

# Recombinant Human Argonaute-2 Protein

Catalog No.: RP01132 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	27161	Q9UKV8

### Tags

N-6×His

### Synonyms

AGO2;CASC7;EIF2C2;LINC00980;PPD;Q10;protein argonaute-2;Argonaute 2;EIF2C2

## Product Information

Source	Purification
Baculovirus-Infected Sf9 Cells	> 85 % by SDS-PAGE.

### Endotoxin

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

### Formulation

Lyophilized from a 0.22 μm filtered solution 20mM Tris, 500mM NaCl, pH7.4, 10% glycerol, 2mM DTT. Contact us for customized product form or formulation.

### 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 freeze-thaw cycles.

## Contact

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## Background

This protein is a member of the Argonaute family of proteins which play a role in RNA interference. The encoded protein is highly basic, and contains a PAZ domain and a PIWI domain. It may interact with dicer1 and play a role in short-interfering-RNA-mediated gene silencing. Multiple transcript variants encoding different isoforms have been found for this gene.

## Basic Information

### Description

Recombinant Human Argonaute-2 Protein is produced by Insect cell-baculovirus expression system. The target protein is expressed with sequence (Met1-Ala859) of human Argonaute-2 (Accession #NP\_036286.2) fused with a 6×His tag at the N-terminus.

### Bio-Activity

#### Storage

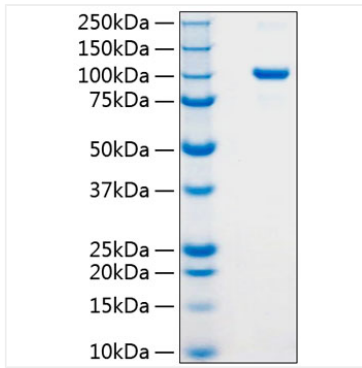
Store the lyophilized protein at -20°C to -80 °C for long term.

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

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Recombinant Human Argonaute-2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 99 kDa.