# Human AGO2 / Argonaute 2 (His Tag) recombinant protein

Catalog Number: 502108



## General Information

#### **Protein Construction**

A DNA sequence encoding the full length of human AGO2 (NP\_036286.2) (Met 1-Ala 859) was expressed with a polyhistidine tag at the N-terminus.

## **Organism**

Human

## **Expression Host**

**Baculovirus-Insect Cells** 

# **QC Testing**

## **Activity**

Human AGO2 (11079-H07B) can bind Let-7a RNA and cleave target RNA (21nt).

## **Purity**

> 85 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

## **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

#### Predicted N terminal

Met.

#### **Molecular Mass**

The recombinant human AGO2 consists of 877 amino acids and predicts a molecular mass of 99 kDa as estimated by SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH7.4,10% glycerol,2mM DTT

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

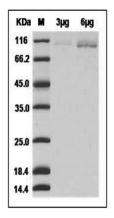
## Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human AGO2 / Argonaute 2 / EIF2C2 Protein (His Tag) SDS-PAGE