Recombinant Human Argonaute-2/AGO2 Protein

Catalog No.: RP01132

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Sequence Information

Species
Human

Gene ID
27161

Swiss Prot
Q9UKV8

Tags
N-6×His

Synonyms
AGO2,CASC7,EIF2C2,LINC00980, PPD,Q10,protein argonaute-2, Argonaute 2,EIF2C2

Product Information

Source
Baculovirus-Infected Sf9 Cells

Purification
≥ 85 % as determined by SDS-PAGE.

Calculated MW
99 kDa

Observed MW
99 kDa

Endotoxin
< 1 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 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

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/AGO2 Protein is produced by Insect cell-baculovirus expression system. The target protein is expressed with sequence (Met1-Ala859) of Human Argonaute-2/AGO2 (Accession #NP_036286.2) 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℃

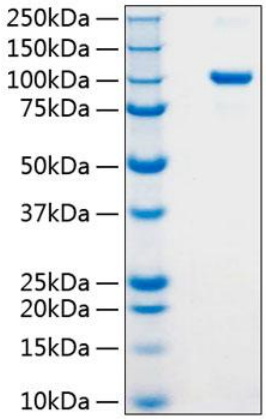
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Argonaute-2/AGO2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.