RP01132

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Recombinant Human Argonaute-2/AGO2 Protein

Catalog No.: RP01132 Recombinant 1 Publications

Sequence Information

Species	Gene ID	Swiss Prot
Baculovirus-Infected Sf9 Cells	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 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

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.

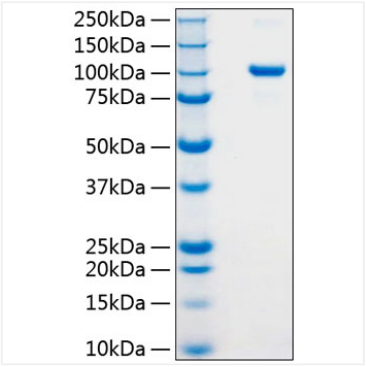
Basic Information

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.

Bio-Activity

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



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