Human AGO1 / Argonaute 1 (His Tag) recombinant protein

Catalog Number: 502922

General Information

Gene Name Synonym

Argonaute RISC catalytic component 1; Eukaryotic translation initiation factor 2C 1; Putative RNA-binding protein Q99

Protein Construction

A DNA sequence encoding the full length of human AGO1 (NP_036331.1) (Met 1-Ala 857) was expressed, with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

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

Predicted N terminal

His

Molecular Mass

The recombinant human AGO1 consists of 875 amino acids and predicts a molecular mass of 99.5 kDa as estimated in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, 10% Gly, 0.5 PMSF, 0.5mM EDTA, pH 8.0
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

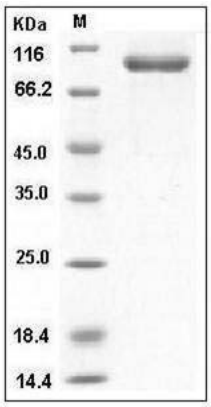
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 AGO1 / Argonaute 1 / EIF2C1 Protein (His Tag) SDS-PAGE