9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

AGO2 (1-200) Human

Argonaute 2 (1-200 a.a.) Human Recombinant
RCP0024

Product Overview

Name	AGO2 (1-200) Human
Description	
Argonaute 2 (1-200 a.a.) Human Recombinant	
Accession (Primary)	Q9UKV8
Synonyms	
Protein argonaute-2, Argonaute2, hAgo2, Argonaute RISC catalytic component 2, Eukaryotic translation initiation factor 2C 2, eIF-2C 2, eIF2C 2, PAZ Piwi domain protein, PPD, AGO2, EIF2C2, Protein slicer.	
Introduction	
The Argonaute protein is part of the RISC or RNA-induced silencing complex, as so, the protein has a key part in the slicing processes of RNA. The RNA interference (RNAi) is being held by RISC. Small non-coding RNA fragments bond to the Argonaute proteins, through base pairing, eventually leads to the cleavage of messenger RNA or translation suppression.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
AGO2 (1-200) filtered (0.4 µm) and lyophilized from 0.5mg/ml in 50mM acetate buffer, pH 4.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHHAS MYSGAGPALA PPAPPPPIQG YAFKPPPRPD FGTSGRTIKL QANFFEMDIP KIDIYHYELD IKPEKCPRRV NREIVEHMVQ HFKTQIFGDR KPVFDGRKNL YTAMPLPIGR DKVELEVTLP GEGKDRIFKV SIKWVSCVSL QALHDALSGR LPSVPFETIQ ALDVVMRHLP SMRYTPVGRS FFTASEGCSN PLGGGREVW.	

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Solubility

It is recommended to add 0.1M acetate buffer , pH 4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. AGO2 (1-200) is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

AGO2 (1-200) Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9UKV8)