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32-13021: AGO2 (1-200) Human

Alternative Name : 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.

Description

Source: Escherichia Coli.
Filtered White lyophilized (freeze-dried) powder.
The ArgonauteÂ 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.
AGO2 (1-200) Human Recombinant is a single, non-glycosylated, polypeptide chain containing 210 amino acids (1-200 a.a) Â and having a molecular mass of 23.7kDa (calculated). AGO2 (1-200) is fused to a 10 a.a His tag at N-terminal.Â

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	AGO2 (1-200) filtered (0.4 µm) and lyophilized from 0.5mg/ml in 50mM acetate buffer, pH 4. 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.
Storage condition :	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.
Amino Acid :	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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