Human AGO2 Recombinant Protein

RPPB2712

Product Information

Product SKU:
RPPB2712

Accession:
Q9UKV8

Host:
Escherichia Coli.

Protein Information

Protein description:
AGO2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 1-859) containing 869 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 98.4kDa (calculated).

Appearance:
Filtered White lyophilized (freeze-dried) powder.

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.

Formulation:
AGO2 is filtered (0.4 μm) and lyophilized from 0.5mg/ml solution in 50mM acetate buffer, pH 4.

Purity:
Greater than 90.0% as determined by SDS-PAGE.

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 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

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.

Amino Acid Sequence:
MKHHHHHHAS MYSGAGPALA PPAPPPPIQG YAFKPPPRPD FGTSGRTIKL QANFFEMDIP KIDIYHYELD IKPEKCPRRV NREIVEHMVQ HFKTQIFGDR KPVFDGRKNL YTAMPLPIGR DKVELEVTLP GEGKDRIFKV SIKWVSCVSL QALHDALSGR LPSVPFETIQ ALDVVMRHLP SMRYTPVGRS FFTASEGCSN PLGGGREVWF GFHQSVRPSL WKMMLNIDVS ATAFYKAQPV IEFVCEVLDF KSIEEQQKPL TDSQRVKFTK EIKGLKVEIT HCGQMKRKYR VCNVTRRPAS HQTFPLQQES GQTVECTVAQ YFKDRHKLVL RYPHLPCLQV GQEQKHTYLP LEVCNIVAGQ RCIKKLTDNQ TSTMIRATAR SAPDRQEEIS KLMRSASFNT DPYVREFGIM VKDEMTDVTG RVLQPPSILY GGRNKAIATP VQGVWDMRNK QFHTGIEIKV WAIACFAPQR QCTEVHLKSF TEQLRKISRD AGMPIQGQPC FCKYAQGADS VEPMFRHLKN TYAGLQLVVV ILPGKTPVYA EVKRVGDTVL GMATQCVQMK NVQRTTPQTL SNLCLKINVK LGGVNNILLP QGRPPVFQQP VIFLGADVTH PPAGDGKKPS IAAVVGSMDA HPNRYCATVR VQQHRQEIIQ DLAAMVRELL IQFYKSTRFK PTRIIFYRDG VSEGQFQQVL HHELLAIREA CIKLEKDYQP GITFIVVQKR HHTRLFCTDK NERVGKSGNI PAGTTVDTKI THPTEFDFYL CSHAGIQGTS RPSHYHVLWD DNRFSSDELQ ILTYQLCHTY VRCTRSVSIP APAYYAHLVA FRARYHLVDK EHDSAEGSHT SGQSNGRDHQ ALAKAVQVHQ DTLRTMYFA.

