Recombinant Human AGO2 Protein

Cat. No. AGO2-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AGO2 Protein was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes 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.
Form	Liquid. In 20 mM Tris-HCl, 1 M NaCl, pH8.0, with 10% glycerol.
Molecular Mass	~30.4 kDa
AA Sequence	CEVLDFKSIEEQQKPLTDSQRVKFTKEIKGLKVEITHCGQMKRKYRVCNVTRRPASH QTFPLQQESGQTVECTVAQYFKDRHKLVLRYPHLPCLQVGQEQKHTYLPLEVCNIV AGQRCIKKLTDNQTSTMIRATARSAPDRQEEISKLMRSASFNTDPYVREFGIMVKDE MTDVTGRVLQPPSILYGGRNKAIATPVQGVWDMRNKQFHTGIEIKVWAIACFAPQR QCTEVHLKSFTEQLRKISRDAGMPIQGQPCFCKYAQGADS
Purity	>90%
Storage	Short Term Storage at 4 centigrade, Long Term, please prepare aliquots with 20%

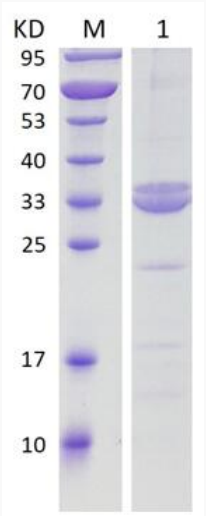
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	glycerol and store at -20 to -80 centigrade. Avoid freeze/thaw cycles.
Concentration	0.24 mg/ml
Official Full Name	Argonaute RISC catalytic component 2

GENE INFORMATION

Gene Name	AGO2 argonaute RISC catalytic component 2 [Homo sapiens (human)]
Official Symbol	AGO2
Synonyms	PPD; Q10; CASC7; EIF2C2; LESKRES; LINC00980
Gene ID	27161
mRNA Refseq	NM_001164623
Protein Refseq	NP_001158095
MIM	606229
UniProt ID	Q9UKV8

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SDS-PAGE	 15% SDS-PAGE analysis profiles of purified AGO2 (CBB stained).

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