

# Recombinant Full Length Human AGO1 Protein, GST-tagged

**Cat. No.** AGO1-4569HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human EIF2C1 full-length ORF ( NP_036331.1, 1 a.a. - 857 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	857 amino acids
<b>Description</b>	<p>This gene encodes a member of the argonaute family of proteins, which associate with small RNAs and have important roles in RNA interference (RNAi) and RNA silencing. This protein binds to microRNAs (miRNAs) or small interfering RNAs (siRNAs) and represses translation of mRNAs that are complementary to them. It is also involved in transcriptional gene silencing (TGS) of promoter regions that are complementary to bound short antigene RNAs (agRNAs), as well as in the degradation of miRNA-bound mRNA targets. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A recent study showed this gene to be an authentic stop codon readthrough target, and that its mRNA could give rise to an additional C-terminally extended isoform by use of an alternative in-frame translation termination codon. [provided by RefSeq, Nov 2015]</p>
<b>Molecular Mass</b>	123.6 kDa
<b>AA Sequence</b>	MEAGPSGAAAGAYLPPLQQVFQAPRRPGIGTVGKPIKLLANYFEVDIPKIDVYHYEV DIKPKDKPRRVNREVVVEYMQHFQKQIFGDRKPVYDGGKKNIYVTALPIGNERNVDFE

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VTIPGEGKDRIFKVSIKWLAIVSWRMLHEALVSGQIPVPLESVQALDVAMRHLASMRY  
 TPVGRSFFSPPEGYYHPLGGGREVWFGFHQSVRPAMWKMMLNIDVSATAFYKAQP  
 VIEFMCEVLDIRNIDEQPKPLTDSQRVRFTEIKGLKVEVTHCGQMKRKYRVCNVTR  
 RPASHQTFPLQLESGQTVECTVAQYFKQKYNLQLKYPHLPCLQVGQEQQHTYLPLE  
 VCNIVAGQRCIKKLTDNQTSTMIKATARSAPDRQEEISRLMKNASYNLDPYIQEFGIK  
 VKDDMTEVTGRVLPAPILQYGGRNRAIATPNQGVWDMRGKQFYNGIEIKVWAIACF  
 APQKQCREEVLKNFTDQLRKISKDAGMPIQQQPCFKYAQGADSVEPMFRHLKNTY  
 SGLQLIIVILPGKTPVYAEVKRVGDTLLGMATQCVQVKNVVKTSPTLSNLCLKINVKL  
 GGINNILVPHQRSVAVFQQPVIFLGADVTHPPAGDGKKPSITAVVGSMDAHPSTRYCAT  
 VRVQRPRQEIIEDLSYMVRELLIQFYKSTRFKPTRIIFYRDGVPEGQLPQILHYELLAIR  
 DACIKLEKDYQPGITYIVVQKRHHTRLFCADKNERIGKSGNIPAGTTVDTNITHPFEPD  
 FYLCSHAGIQGTSRPSHYVVLWDDNRFTADELQILTYQLCHTYVRCTRSVSIPAPAY  
 YARLVAFRARYHLVDKEHDSGEGSHISGQSNRDPQALAKAVQVHQDTLRTMYFA

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
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<b>Notes</b>	Best use within three months from the date of receipt of this protein.
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<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
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<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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## GENE INFORMATION

<b>Gene Name</b>	AGO1 argonaute 1, RISC catalytic component [ Homo sapiens (human) ]
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<b>Official Symbol</b>	AGO1
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<b>Synonyms</b>	AGO1; argonaute 1, RISC catalytic component; EIF2C1; eukaryotic translation initiation factor 2C, 1; protein argonaute-1; AGO1; argonaute 1; hAgo1; eIF2C 1; eIF-2C 1; argonaute1; putative RNA-binding protein Q99; Golgi Endoplasmic Reticulum protein 95 kDa; Q99; EIF2C; GERP95; DKFZp686M13167;
<b>Gene ID</b>	<a href="#">26523</a>
<b>mRNA Refseq</b>	<a href="#">NM_012199</a>
<b>Protein Refseq</b>	<a href="#">NP_036331</a>
<b>MIM</b>	<a href="#">606228</a>
<b>UniProt ID</b>	<a href="#">Q9UL18</a>

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