

Product datasheet for TP762603

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

AGO1 (NM_012199) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Human eukaryotic translation initiation factor 2C, 1 (EIF2C1),

full length, with N-terminal GST and C-terminal His tag, expressed in E.coli, 50ug

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

A DNA sequence encoding the region full length of EIF2C1

Tag: N-GST and C-HIS

Predicted MW: 97 kDa

Concentration: >0.05 μg/μL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 50 mM Tris-HCl, pH 8.0, 8 M urea

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 036331

Locus ID: 26523

UniProt ID: Q9UL18, B2RAD8

RefSeq Size: 7478 Cytogenetics: 1p34.3

RefSeq ORF: 2571

Synonyms: EIF2C; EIF2C1; GERP95; hAgo1; Q99

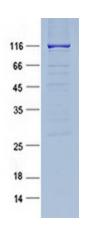


Summary:

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]

Protein Families: Druggable Genome

Product images:



Purified recombinant protein EIF2C1 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.