

Recombinant Rat Eif2c4 Protein, His-tagged

Cat. No. Eif2c4-1418R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Eif2c4 Protein (Thr283-Ala597) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Thr283-Ala597
Description	Predicted to enable double-stranded RNA binding activity; miRNA binding activity; and single-stranded RNA binding activity. Predicted to be involved in RNA metabolic process and gene silencing by miRNA. Predicted to act upstream of or within several processes, including male gonad development; meiotic nuclear division; and miRNA metabolic process. Predicted to be located in P-body; cytosol; and nucleus. Predicted to be part of RISC complex and RISC-loading complex. Orthologous to human AGO4 (argonaute RISC component 4).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38.9 kDa Accurate Molecular Mass: 39 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Eif2c4 eukaryotic translation initiation factor 2C, 4 [Rattus norvegicus (Norway rat)]
Official Symbol	Eif2c4
Synonyms	EIF2C4; eukaryotic translation initiation factor 2C, 4; protein argonaute-4;
Gene ID	298533
mRNA Refseq	NM_001106686
Protein Refseq	NP_001100156
UniProt ID	F1LUQ5