

Recombinant Human TARBP2

Cat. No. TARBP2-209H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TARBP2, 1-345aa, Human, E.coli
Species	Human
Source	E.coli
ProteinLength	1-345aa
Description	TARBP2 is a component of the RISC loading complex (RLC), also known as the micro-RNA (miRNA) loading complex (miRLC), which is composed of DICER1, EIF2C2/AGO2 and TARBP2. This protein contains 3 DRBM (double-stranded RNA-binding) domains. It may also play a role in the production of short interfering RNAs (siRNAs) from double-stranded RNA (dsRNA) by DICER1. TARBP2 binds to the HIV-1 TAR RNA which is located in the long terminal repeat (LTR) of HIV-1, and stimulates translation of TAR-containing RNAs. Recombinant human TARBP2 protein was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Molecular Mass	36.9 kDa (345aa)
AA Sequence	MLAANPGKTP ISLLQEYGTR IGKTPVYDLL KAEGQAHQPN FTFRVTVGDT SCTGQGPSKK AAKHKAAEVA LKHLKGGSML EPALEDSSSF SPLDSSLPED IPVFATAAAA TPVPSVLTR SPPMELQPPV SPQQSECNPV GALQELVVQK GWRLPEYTVT QESGPAHRKE FTMTCRVERF IEIGSGTSKK LAKRNAAAKM

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LLRVHTVPLD ARDGNEVEPD DDHFSIGVGS RLDGLRNRGP GCTWDSLRLNS
VGEKILSLRS CSLGSLGALG PACCRVLSEL SEEQAFHVSYS LDIEELSLSG
LCQCLVELST QPATVCHGSA TTREAARGEA ARRALQYLKI MAGSK

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [TARBP2 TAR \(HIV-1\) RNA binding protein 2 \[Homo sapiens \]](#)

Official Symbol TARBP2

Synonyms TARBP2; TAR (HIV-1) RNA binding protein 2; Tar (HIV 1) RNA binding protein 2; RISC-loading complex subunit TARBP2; TAR RNA binding protein 2; TAR RNA-binding protein 2; TAR (HIV) RNA binding protein 2; TAR (HIV) RNA-binding protein 2; TAR (HIV) RNA-binding protein TRBP1; trans-activation responsive RNA-binding protein; trans-activation-responsive RNA-binding protein; LOQS; TRBP; TRBP1; TRBP2;

Gene ID [6895](#)

mRNA Refseq [NM_004178](#)

Protein Refseq [NP_004169](#)

MIM [605053](#)

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UniProt ID	Q15633
Chromosome Location	12
Pathway	Gene Expression, organism-specific biosystem; MicroRNA (miRNA) Biogenesis, organism-specific biosystem; Regulatory RNA pathways, organism-specific biosystem; Small Interfering RNA (siRNA) Biogenesis, organism-specific biosystem;
Function	double-stranded RNA binding; protein binding; protein homodimerization activity; siRNA binding;

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