

Recombinant human TARBP2 protein

Catalog Number: ATGP2702

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-345aa

UniProt No.

Q15633

NCBI Accession No.

NP_004169

Alternative Names

TAR RNA binding protein 2 isoform b, LOQS, TRBP, TRBP1, TRBP2

PRODUCT SPECIFICATION

Molecular Weight

36.9 kDa (345aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Recombinant human TARBP2 protein

Catalog Number: ATGP2702

Amino acid Sequence

MLAANPGKTP ISLLQEYGTR IGKTPVYDLL KAEGQAHQPN FFRVTVGDT SCTGQGPSKK AAKHKAAEVA LKHLKGGSMLEPALEDSSSF SPLDSSLPED IPVFATAAAA TPVPSVVLTR SPPMELQPPV SPQSECNPV GALQELVVQK GWRLPEYTVT QESGPAHRKE FTMTCRVERF IEIGSGTSKK LAKRNAAAKM LLRVHTVPLD ARDGNEVEPD DDHFSIGVGS RLDGLRNRGP GCTWDSLRLNS VGEKILSLRS CSLGSLGALG PACCRVLSL SEEQAFHVS YLDIEELSLSG LCQCLVELST QPATVCHGSA TTREARGEARRALQYLKI MAGSK

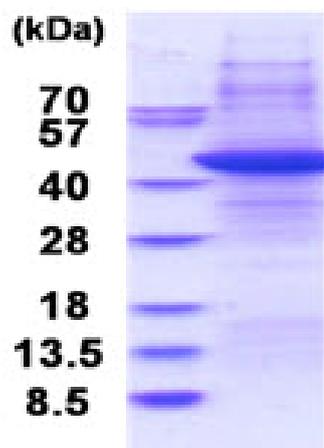
General References

Dorin D., et al (2003). J. Biol. Chem. 278:4440-4448

Gregory R.I., et al (2005). Cell 123:631-640

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)