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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.

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Amino acid Sequence

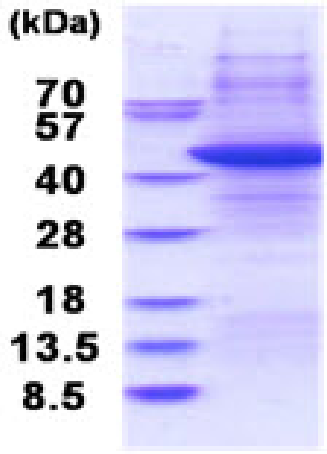
MLAANPGKTP ISLLQEYGTR IGKTPVYDLL KAEGQAHQPN FTFRVTVGDT SCTGQGPSKK AAKHKAAEVA LKHLKGGSML EPALEDSSSF SPLDSSLPED IPVFTAAAAA TPVPSVVLTR SPPMELQPPV SPQQSECNPV GALQELVVQK GWRLPEYTVT QESGPAHRKE FTMTCRVERF IEIGSGTSKK LAKRNAAAKM LLRVHTVPLD ARDGNEVEPD DDHFSIGVGS RLDGLRNRGP GCTWDSLRNS VGEKILSLRS CSLGSLGALG PACCRVLSEL SEEQAFHVSY LDIEELSLSG LCQCLVELST QPATVCHGSA TTREAARGEA ARRALQYLKI 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



15% SDS-PAGE (3ug)

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