
Product Data Sheet

Product Name: TARBP2 Human
 Cat. No.: GP24776
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	LOQS; TRBP; TRBP1; TRBP2; RISC-loading complex subunit TARBP2; TAR RNA-binding protein 2; Trans-activation-responsive RNA-binding protein; TARBP2.		
Amino Acid Sequence	MLAANPGKTP ISLLQEYGTR IGKTPVYDLL KAEGQAHQPN FTFRVTVGDT SCTGQGPKK AAKHKAAEVA LKHLKGGSMLEPALEDSSSF SPLDSSLPED IPVFTAAAAA TPVPSVVLTR SPPMELQPPV SPQQSECNPV GALQELVVQK GWRLPEYTVT QESGPAHRKE FTMTCRVERF IEIGSGTSKK LAKRNAAAKM LLRVHTVPLD ARDGNEVEPD DDHFSIGVGS RLDGLRNRGP GCTWDSLRLNS VGEKILSLRS CSLGSLGALG PACCRVLSLSEEQAFHVSYL DIEELSLSG LCQCLVELST QPATVCHGSA TTREAARGEA ARRALQYLKI MAGSK.		
Formulation	TARBP2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

Introduction

TAR RNA Binding Protein 2 (TARBP2) is a component of the RISC loading complex which takes part in the production of short interfering RNAs (siRNAs) from double-stranded RNA (dsRNA) by DICER1. TARBP2, which is also known as the micro-RNA (miRNA) loading complex (miRLC), contains three DRBM (double-stranded RNA-binding) domains. TARBP2 binds to the HIV-1 TAR RNA and stimulates translation of TAR-containing RNAs.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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TARBP2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 345 amino acids (1-345 a.a) and having a molecular mass of 36.9kDa. TARBP2 is purified by proprietary chromatographic techniques.

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