

Recombinant Bovine TARBP2 Protein (1-366 aa), His-Myc-tagged

Cat. No. TARBP2-2560B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine TARBP2 Protein (1-366 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Microbiology. Protein Description: Full Length.
Species	Bovine
Source	E.coli
ProteinLength	1-366 aa
Description	Required for formation of the RNA induced silencing complex (RISC). Component of the RISC loading complex (RLC), also known as the micro-RNA (miRNA) loading complex (miRLC), which is composed of DICER1, AGO2 and TARBP2. Within the RLC/miRLC, DICER1 and TARBP2 are required to process precursor miRNAs (pre-miRNAs) to mature miRNAs and then load them onto AGO2. AGO2 bound to the mature miRNA constitutes the minimal RISC and may subsequently dissociate from DICER1 and TARBP2. May also play a role in the production of short interfering RNAs (siRNAs) from double-stranded RNA (dsRNA) by DICER1.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	45.8 kDa
AA Sequence	MSEEEQSGSGTTTGCGLPISIEQMLAANPGKTPISLLQEYGTRIGKTPVYDLLKAEGQA

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HQPNFTFRVTVGDTSGTGQGPSKKAACHKAAEVALKHLKGGSMLEPALEDSSSFSP
LDSSLPEDVPVFTAAAAATPVPSAVPTRSSPMEVQPPVSPQQSECNPVGALQELVV
QKGWRLPEYTVTQESGPAHRKEFTMTCRVERFIEIGSGTSKKLAKRNAAAKMLLRV
HTVPLDARDGNEAEPEDDHFSIGVGSRLDGLRNRGPGCTWDSLRNSVGEKILSLRS
CSLGSLGALGPACCSVLSELSEEQAFHVSYL DIEELSLSGLCQCLVELSTQPATVCH
GSAATREAAARGEAAARRALQYLKIMAGSK

Purity > 85% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name TARBP2 TARBP2 subunit of RISC loading complex [Bos taurus (cattle)]

Official Symbol TARBP2

Synonyms TARBP2;

Gene ID 514674

mRNA Refseq NM_001075678

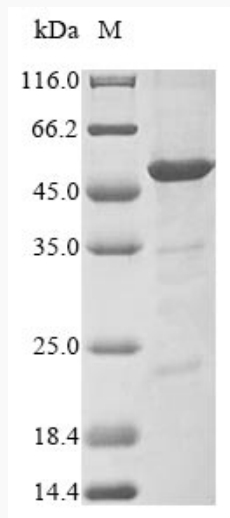
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Protein Refseq NP_001069146

UniProt ID Q0IIG6



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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