

Recombinant Human TARBP2, GST-tagged

Cat. No. TARBP2-8421H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TARBP2(141 a.a. - 250 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	141-250 a.a.
Description	HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA genome that produces a chromosomally integrated DNA during the replicative cycle. Activation of HIV-1 gene expression by the transactivator Tat is dependent on an RNA regulatory element (TAR) located downstream of the transcription initiation site. The protein encoded by this gene binds between the bulge and the loop of the HIV-1 TAR RNA regulatory element and activates HIV-1 gene expression in synergy with the viral Tat protein. Alternative splicing results in multiple transcript variants encoding different isoforms. This gene also has a pseudogene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	Theoretical MW (kDa):37.84
AA Sequence	RSPPMELQPPVSPQQSECNVPGALQELVVQKGWRLPEYTVTQESGPAHRKEFTMT CRVERFIEIGSGTSKKLAKR NAAAKMLLRVHTVPLDARDGNEVEPDDDHFSIGVG

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TARBP2 TAR (HIV-1) RNA binding protein 2 [Homo sapiens]
Official Symbol	TARBP2
Synonyms	LOQS; TRBP; TRBP1; TRBP2; RISC-loading complex subunit TARBP2; TAR (HIV) RNA binding protein 2; TAR (HIV) RNA-binding protein 2; TAR (HIV) RNA-binding protein TRBP1; TAR RNA binding protein 2; TAR RNA-binding protein 2; TARBP2; trans-activation responsive RNA-binding protein; trans-activation-responsive RNA-binding protein
Gene ID	6895
mRNA Refseq	NM_134323
Protein Refseq	NP_599150
MIM	605053
UniProt ID	Q15633
Chromosome Location	12q13.13

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Pathway	Gene Expression, organism-specific biosystem; MicroRNA (miRNA) biogenesis, organism-specific biosystem; Small interfering RNA (siRNA) biogenesis, organism-specific biosystem
Function	double-stranded RNA binding; miRNA binding; contributes_to pre-miRNA binding

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