

Recombinant Human TARBP2, His-tagged

Cat. No. TARBP2-8483H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TARBP2 transcript variant 3, full length, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl. Store at -80°C.
Molecular Mass	39 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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Concentration	>50 ug/mL as determined by microplate BCA method
Full Length	Full L.
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_004178
Protein Refseq	NP_004169
MIM	605053
UniProt ID	Q15633
Chromosome Location	12q13.13
Pathway	Gene Expression, organism-specific biosystem; MicroRNA (miRNA) biogenesis, organism-specific biosystem; Small interfering RNA (siRNA) biogenesis, organism-

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specific biosystem

Function

double-stranded RNA binding; miRNA binding; contributes_to pre-miRNA binding

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