

Recombinant Human HIV-1 Tat Interactive Protein 2, 30kDa, His-tagged

Cat. No. HTATIP2-2723H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanHTATIP2 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 29.3 kDa (262aa),confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	HTATIP2, also known as TIP30, is a member of the short-chain dehydrogenases/reductases (SDR) family. It acts as a tumor suppressor participating in metabolic suppression, inhibition of angiogenesis and induces the expression of apoptosis related genes Bad and Siva. HTATIP2 interacts with the activation domain of HIV-1 TAT and enhances its transcription by phosphorylating RNA polymerase II (Pol II). Defects in This protein are associated with hepatocellular carcinomas and apoptotic resistant tumor cells, suggesting a potential use for HTATIP2 in antitumor therapy.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MAETEALSKL REDFRMQNKS VFILGASGET GRVLLKEILE QGLFSKVTLI GRRKLTFDEE AYKNVNQEVV DFEKLDDYAS AFQGHVDVFC CLGTTTRGKAG AEGFVRVDRD YVLKSAELAK AGGCKHFNLL SSKGADKSSN FLYLQVKGEV EAKVEELKFD RYSVFRPGVL LCDRQESRPG EWLVRKFFGS LPDSWARGHS VPVVTVVRAM LNNVVRPRDK QMELLENKAI HDLGKAHGSL KP

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Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT.
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	HTATIP2 HIV-1 Tat interactive protein 2, 30kDa [Homo sapiens]
Synonyms	HTATIP2; HIV-1 Tat interactive protein 2, 30kDa; oxidoreductase HTATIP2; Tat-interacting protein (30kD); HIV-1 TAT-interactive protein 2; 30 kDa HIV-1 TAT-interacting protein; short chain dehydrogenase/reductase family 44U, member 1; EC 1.1.1.-; CC3; TIP30; SDR44U1; FLJ26963
Gene ID	10553
mRNA Refseq	NM_001098520
Protein Refseq	NP_001091990
MIM	605628
UniProt ID	Q9BUP3
Chromosome Location	11p15.1

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Function

NAD or NADH binding; RNA polymerase II transcription factor activity; oxidoreductase activity; oxidoreductase activity, acting on the aldehyde or oxo group of donors, NAD or NADP as acceptor; protein binding; transcription coactivator activity

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