
Product Data Sheet

Product Name: HTATIP2 Human

Cat. No.: GP21815

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TIP30; CC3; SDR44U1; HTATIP2; EC=1.1.1.-; HIV-1 TAT-interactive protein 2; FLJ26963.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAETEALSKL REDFRMQNKS VFILGASGET GRVLLKEILE QGLFSKVTLI GRRKLTDFDEE AYKNVNQEVV DFEKLDDYAS AFQGHVDVFC CLGTTRGKAG AEGFVRVDRD YVLKSAELAK AGGCKHFNLL SSKGADKSSN FLYLQVKGEV EAKVEELKFD RYSVFRPGVL LCDRQESRPG EWLVRKFFGS LPDSWARGHS VPVTVVRAM LNNVVRPRDK QMELLENKAI HDLGKAHGSL KP.		
Formulation	HTATIP2 protein solution (1mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT & 10% glycerol.		

Introduction

HTATIP2 is part of the short-chain dehydrogenases/reductases (SDR) family which acts as a tumor suppressor in metabolic suppression, inhibition of angiogenesis and induces the expression of apoptosis related genes Bad and Siva. HTATIP2 cooperates with the activation domain of HIV-1 TAT and enhances its transcription by phosphorylating RNA polymerase II (Pol II). Defects in HTATIP2 are related with hepatocellular carcinomas and apoptotic resistant tumor cells, implicating a probable use for HTATIP2 in antitumor therapy.

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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HTATIP2 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 262 amino acids (1-242 a.a.) and having a molecular mass of 29.3 kDa. The HTATIP2 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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