

HTATIP2 Human

Description: 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.

Catalog #: ENPS-553

For research use only.

Synonyms: TIP30, CC3, SDR44U1, HTATIP2, EC=1.1.1.-, HIV-1 TAT-interactive protein 2, FLJ26963.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MAETEALSKL REDFRMQNKS
VFILGASGET GRVLLKEILE QGLFSKVTLI GRRKLTDFEE AYKNVNQEVV DFEKLDDYAS
AFQGHVDVGFC CLGTTTRGKAG AEGFVRVDRD YVLKSAELAK AGGCKHFNLL SSKGADKSSN
FLYLQVKGEV EAKVEELKFD RYSVFRPGVL LCDRQESRPG EWLVRKFFGS LPDSWARGHS
VPVTVVVRAM LN

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

HTATIP2 protein solution (1mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT & 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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