

Recombinant human TIP30/HTATIP2 protein

Catalog Number: ATGP0631

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-242aa

UniProt No.

Q9BUP3

NCBI Accession No.

AAH15358

Alternative Names

Oxidoreductase HTATP2, CC3, TIP30, SDR44u1, Oxidoreductase HTATP2, HTATIP 2, HTATIP-2, CC-3, TIP 30, TIP-30

PRODUCT SPECIFICATION

Molecular Weight

29.3 kDa (262aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human HTATIP2 protein, fused to His-tag at N-terminus, was

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expressed in E. coli and purified by using conventional chromatography techniques

Amino acid Sequence

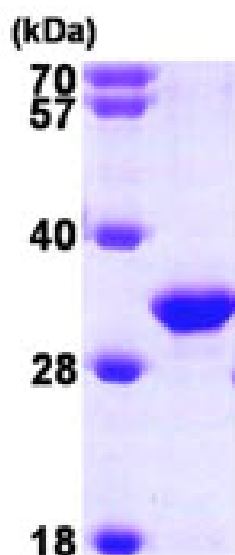
MGSSHHHHHH SGLVPRGSH MAETEALSKL REDFRMQNKS VFILGASGET GRVLLKEILE QGLFSKVTLI GRRKLTDFDEE
AYKNVNQEVV DFEKLDDYAS AFQGHVDGFC CLGTRGKAG AEGFVRVDRD YVLKSAELAK AGGCKHFNLL SSKGADKSSN
FLYLQVKGEV EAKVEELKFD RYSVFRPGVL LCDRQESRPG EWLVRKFFGS LPDSWARGHS VPVTVVVRAM LNNVVRPRDK
QMELLENKAI HDLGKAHGSL KP

General References

Shtivelman E., et al. (1997) *Oncogene*. 14(18):2167-73.
Xiao H., et al. (1998) *Proc Natl Acad Sci U S A*. 95(5):2146-2151.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)