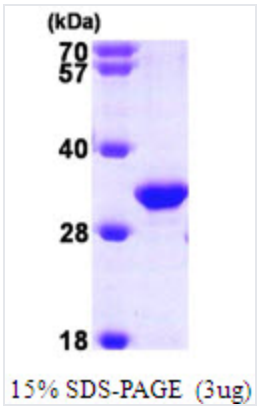
HTATIP2 Recombinant Protein

PRODUCT OVERVIEW

Product Name	HTATIP2, Recombinant Protein
Full Product Name	HTATIP2, 1-242aa, Human, His tag, E Coli
Product Gene Name	HTATIP2 recombinant protein
Product Synonym Names	Oxidoreductase HTATP2; CC3; TIP30; SDR44u1; Oxidoreductase HTATP2; HTATIP 2; HTATIP-2; CC-3; TIP 30; TIP-30
Sequence	MGSSHHHHHH SSGLVPRGSH MAETEALSKL REDFRMQNKS VFILGASGET GRVLLKEILE QGLFSKVTLI GRRKLTFDEE AYKNVNQEVV DFEKLDDYAS AFQGHDVGFC CLGTTRGKAG AEGFVRVDRD YVLKSAELAK AGGCKHFNLL SSKGADKSSN FLYLQVKGEV EAKVEELKFD RYSVFRPGVL LCDRQESRPG EWLVRKFFGS LPDSWARGHS VPVVTVVRAM LNNVVRPRDK QMELLENKAI HDLGKAHGSL KP
Host	E Coli
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 1mM DTT
Purity/Purification	> 95% by SDS- PAGE
Concentration	1 mg/ml (determined by Bradford assay) (lot specific)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.
Molecular Weight	29.3 kDa (262aa), confirmed by MALDI-TOF
OMIM	U69161 mRNA
Antigen Species	Human
Tag Information	His-tag
Product Categories/Family for HTATIP2 recombinant protein	Cancer
Applications Tested/Suitable for HTATIP2 recombinant protein	SDS-PAGE
Related Product Information for HTATIP2 recombinant protein	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 expressed in E Coli and purified by using conventional chromatography techniques
Product References and Citations for HTATIP2 recombinant protein	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.;
Other Notes	Small volumes of HTATIP2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HTATIP2 purchase	MBS203512 is a recombinant protein targeting HTATIP2. Also known as HTATIP2, 1-242aa, Human, His tag, E Coli. Host: E Coli.



SDS-Page of HTATIP2 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HTATIP2. It may not necessarily be applicable to this product.

NCBI GI #	15929874
NCBI GeneID	10553
NCBI Accession #	AAH15358
UniProt Secondary Accession #	O15383; O60520; O95345; Q53GC1; Q53GG2; Q6IBI3; A8K7S7; D3DQY8
UniProt Related Accession #	Q9BUP3
NCBI Official Full Name	HTATIP2 protein
NCBI Official Synonym Full Names	HIV-1 Tat interactive protein 2
NCBI Official Symbol	HTATIP2
NCBI Official Synonym Symbols	CC3; TIP30; SDR44U1
UniProt Protein Name	Oxidoreductase HTATIP2
UniProt Synonym Protein Names	30 kDa HIV-1 TAT-interacting protein; HIV-1 TAT-interactive protein 2
Protein Family	Oxidoreductase
UniProt Gene Name	HTATIP2
NCBI Protein Information	oxidoreductase HTATIP2
UniProt Comments for HTATIP2	Oxidoreductase required for tumor suppression. NAPDH-bound form inhibits nuclear import by competing with nuclear import substrates for binding to a subset of nuclear transport receptors. May act as a redox sensor linked to transcription through regulation of nuclear import. Isoform 1 is a metastasis suppressor with proapoptotic as well as antiangiogenic properties. Isoform 2 has an antiapoptotic effect.
Research Articles on HTATIP2	**1.** the results suggest that downregulation of TIP30 may result from HBV infection, and subsequently promotes the progression of HCC.
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