

Recombinant Human WTAP Protein (GST tag)

Cat.NO.: TP06408

3th Edition

Synonyms:Mum2

Description:Wilms' tumor 1-associating protein (WTAP) was previously identified as a protein associated with Wilms' tumor-1 (WT-1) protein that is essential for the development of the genitourinary system. WT1 was originally identified as a tumor suppressor for Wilms' tumor, but it is also overexpressed in a variety of cancer cells. The WTAP-WT1 axis in vascular cells suggest that WTAP is a vital and multifaceted regulator of vascular remodeling. WTAP has been suggested to function in alternative splicing, stabilization of mRNA, and cell growth. Knocking down endogenous WTAP increased Smooth muscle cells (SMCs) proliferation, because of increased DNA synthesis and G(1)/S phase transition, together with reduced apoptosis. These effects could be the result of WTAP suppressing the transcriptional activity of WT1 in SMCs. WTAP may thus also play a role in messenger RNA processing in mammalian cells, either dependent on or independent of its interaction with WT1.

Form:PBS

Molecular Weight:45 kDa

Sequences:Met 1-Arg 151

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.