

SET, 1-290aa, Human, His tag, E.coli

Cat.NO.: TP03909

3th Edition

Synonyms:Protein SET isoform 1, 2PP2A, I2PP2A, IGAAD, IPP2A2, PHAPII, TAF-I, TAF-IBETA

Description:SET inhibits acetylation of nucleosomes, especially histone H4, by histone acetylases (HAT). This inhibition is most likely accomplished by masking histone lysines from being acetylated, and the consequence is to silence HAT-dependent transcription. The protein is part of a complex localized to the endoplasmic reticulum but is found in the nucleus and inhibits apoptosis following attack by cytotoxic T lymphocytes. This protein can also enhance DNA replication of the adenovirus genome. Several transcript variants encoding different isoforms have been found for this gene. Recombinant human SET protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.

Molecular Weight:35.9 kDa (313aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMAPKRQSPLPPQKKKPRPPPALGPEETSASAGLPKKGEKEQQEAIEHIDEV
QNEIDRLNEQASEEILKVEQKYNKLRQPFFQKRSELIKIPNFWVTTFVNHPQVSALLGEEDEEALHYLTRVEVTEFE
DIKSGYRIDFYFDENPYFENKVLKSEFHLNESGDPSSKSTEIKWKSGKDLTKRSSQTQNKASRKRQHEEPESFFTW
FTDHS DAGADELGEVIKDDIWPNPLQYYLVPDMDDEEGEGEEDDDDEEEGLEIDEEGDEDEGEEDDDDEGE
EGEEDEGEDD

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

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.