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**Product Data Sheet**


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Product Name: SET Human  
 Cat. No.: GP24555  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	2PP2A; I2PP2A; IGAAD; IPP2A2; PHAPII; TAF-I; TAF-IBETA; Protein SET; HLA-DR-associated protein II; Inhibitor of granzyme A-activated DNase; Template-activating factor I; SET.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAPKRQS PLPPQKKKPR PPPALGPEET SASAGLPKKG EKEQQEAIEH IDEVQNEIDR LNEQASEEIL KVEQKYNKLR QPFFQKRSEL IAKIPNFWVT TFDVHPQVSA LLGEEDEEAL HYLTRVEVTE FEDIKSGYRI DFYFDENPYF ENKVLKSEFH LNESGDPSSK STEIKWKSGK DLTKRSSQTQ NKASRKRQHE EPESFFTWFT DHSDAGADEL GEVIKDDIWP NPLQYYLVDP MDDEEGEGEE DDDDDEEEEG LEDIDEEGDE DEGEEDDDDD EGEEGEEDEG EDD.		
Formulation	The SET solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.		

**Introduction**

SET is part of a complex localized to the endoplasmic reticulum however is found in the nucleus. SET inhibits apoptosis following attack by cytotoxic T lymphocytes and can also enhance DNA replication of the adenovirus genome. SET inhibits acetylation of nucleosomes, particularly histone H4, by histone acetylases (HAT). This inhibition is accomplished by masking histone lysines from being acetylated.

**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.

**Background**

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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SET Human Recombinant produced in E. coli is a single polypeptide chain containing 313 amino acids (1-290) and having a molecular mass of 35.9kDa. SET is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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