
Product Data Sheet

Product Name: SERTAD1 Human
 Cat. No.: GP24553
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SERTA domain-containing protein 1; CDK4-binding protein p34SEI1; SEI-1; Transcriptional regulator interacting with the PHD-bromodomain 1; TRIP-Br1; SERTAD1; SEI1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMLSKGL KRKREEEEEK EPLAVDSWWL DPGHTAVAQA PPAVASSSLF DLSVLKLHHS LQQSEPDLRH LVLVVNTLRR IQASMAPAAA LPPVPSPAA PSVADNLLAS SDAALSASMA SLLEDLSHIE GLSQAPQPLA DEGPPGRSIG GAAPSLGALD LLGPATGCLL DDGLEGLFED IDTSMYDNEL WAPASEGLKP GPEDGPGKEE APELDEAELD YLMDVLVGTQ ALERPPGPGR.		
Formulation	SERTAD1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 1mM DTT.		

Introduction

SERTA domain-containing protein (SERTAD1) functions with E2F-responsive promoters to integrate signals provided by PHD- and/or bromodomain-containing transcription factors. SERTAD1 stimulates E2F-1/DP-1 transcriptional activity. SERTAD1 reduces the activity of cyclin D1/CDK4 resistant to the inhibitory effects of p16(INK4a). In addition, SERTAD1 interacts with the PHD-bromodomain of TIF1, TRIM28/TIF1B and p300/CBP. Furthermore, SERTAD1 binds to DP1 and interacts with CDK4.

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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SERTAD1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 260 amino acids (1-236 a.a) and having a molecular mass of 27.3kDa (Molecular weight on SDS-PAGE will appear higher).SERTAD1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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