

## SERTAD1 Human

**Description:** 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.

**Catalog #:** PRPS-1164

For research use only.

**Synonyms:** SERTA domain-containing protein 1, CDK4-binding protein p34SEI1, SEI-1, Transcriptional regulator interacting with the PHD-bromodomain 1, TRIP-Br1, SERTAD1, SEI1.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMLSKGL KRKREEEEEK  
EPLAVDSWWL DPGHTAVAQA PPAVASSSLF DLSVLKLHHS LQQSEPDLRH LVLVVNTLRR  
IQASMAPAAA LPPVPSPPA PSVADNLLAS SDAALSASMA SLLEDLSHIE GLSQAPQPLA  
DEGPPGRSIG GAAPSLGALD LLGPATGCLL DDGLEGLFED IDTSMYDNEL WAPASEGLKP  
GPEDGPGKEE AP

**Purity:** Greater than 85% as determined by SDS-PAGE.

**Formulation:**

SERTAD1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 1mM DTT.

**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.

**Usage:**

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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