

**SIAH1, 90-282aa, Human, His tag, E.coli**

**Cat.NO.: TP03936**

3th Edition

**Synonyms:**E3 ubiquitin-protein ligase SIAH1, SIAH1A.

**Description:**E3 ubiquitin-protein ligase SIAH1, also known as SIAH1, is a member of the seven in absentia homolog (SIAH) family. SIAH1 is a tumor suppressor protein that is expressed in intestinal epithelium and activated during apoptosis. SIAH1 contains an N-terminal RING-finger domain, which is required for proteolysis, and a cystein-rich C-terminal domain, which regulates oligomerization and SIAH binding to target proteins. SIAH1 is known to cause indirect degradation of beta-catenin through formation of a complex with Siah-interacting protein (SIP), Skp1 and Ebi. Recombinant human SIAH1 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 0.1M NaCl, 40% glycerol, 1mM DTT

**Molecular Weight:**24.1 kDa (216aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGVANSVLPCKYASSGCEITLPHTEKADHEELCEFRPYSCPCPGASCKWQGS  
LDAVMPHLMHQHKSITTLQGEDIVFLATDINLPGAVDWVMMQSCFGFHFMLVLEKQEKYDGHQQFFAIVQLIGTRK  
QAENFAYRLELNGHRRRLTWEATPRSIHEGIATAIMNSDCLVFDTSIAQLFAENGNLGINVTISM

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml

**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.