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**Product Data Sheet**


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Product Name: SIAH1 Human  
 Cat. No.: GP22249  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Siah E3 ubiquitin protein ligase 1; Seven in absentia homolog 1; seven in absentia homolog 1 (Drosophila); E3 ubiquitin-protein ligase SIAH1; HUMSIAH; hSIAH1; Siah-1a; SIAH1A; EC 6.3.2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSVANSVLF PCKYASSGCE ITLPHTEKAD HEELCEFRPY SCPCPGASCK WQGLDAVMP HLMHQHSIT TLQGEDIVFL ATDINLPGAV DWVMMQSCFG FHFMLVLEKQ EKYDGHQQFF AIVQLIGTRK QAENFAYRLE LNGHRRRLTW EATPRSIHEG IATAIMNSDC LVFDTSIAQL FAENGNLGIN VTISMC.		
Formulation	The SIAH1 solution (0.25mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 40% glycerol.		

**Introduction**

E3 ubiquitin-protein ligase SIAH1 (SIAH1) belongs to the SIAH (seven in absentia homolog) family. SIAH1 is a tumor suppressor protein, which is expressed in intestinal epithelium and activated during apoptosis. SIAH1 is involved in ubiquitination and proteasome-mediated degradation of specific proteins. SIAH1 is comprised of an N-terminal RING-finger domain (required for proteolysis) and a cysteine-rich C-terminal domain (which regulates oligomerization and SIAH binding to target proteins). SIAH1 causes indirect degradation of beta-catenin by way of creation of a complex with Siah-interacting protein (SIP), Skp1 and Ebi.

**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.

**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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### Background

SIAH1 Human Recombinant produced in E. coli is a single polypeptide chain containing 216 amino acids (90-282) and having a molecular mass of 24.1 kDa. SIAH1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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