

Product information



SIAH1, 90-282aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1669

Full name: E3 ubiquitin-protein ligase SIAH1

NCBI Accession No.: NP_003022

Synonyms: SIAH1A

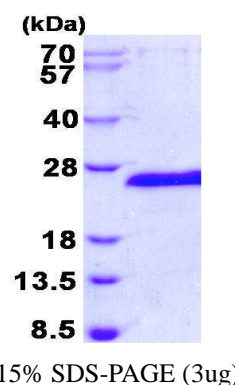
Description: E3 ubiquitin-protein ligase SIAH1, also known as SIAH1, is a member of the seven in absentia homolog (SIAH) family. SIAH1 is a tumor suppressor protein that is expressed in intestinal epithelium and activated during apoptosis. SIAH1 contains an N-terminal RING-finger domain, which is required 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

Purity: > 95% by SDS - PAGE

Concentration: 0.25 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSVANSVLF PCKYASSGCE I TLPHTEKAD HEELCEFRPY SCPCPGASCK WQGS L DAVMP HLMHQHKSIT
TLQGEDIVFL ATDINLPGAV DWMMQSCFG FHFMLVLEKQ EKYDGHQQFF AIVQLIGTRK QAENFAYRLE L NGHRRRLTW EATPRSIHEG
IATAIMNSDC LVFDTSIAQL FAENGLGIN VTISM C

General references:

Hu G., *et al.* (1999) *Mol Cell Biol.* 19: 724-732

Matsuzawa S., *et al.* (1998) *EMBO J.* 17: 2736-2747.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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