

Recombinant human SIAH1 protein

Catalog Number: ATGP1669

PRODUCT INFORMATION

Expression system

E.coli

Domain

90-282aa

UniProt No.

Q8IUQ4

NCBI Accession No.

NP_003022

Alternative Names

E3 ubiquitin-protein ligase SIAH1, SIAH1A

PRODUCT SPECIFICATION

Molecular Weight

24.1 kDa (216aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 40% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSVANSVLF PCKYASSGCE ITLPHTEKAD HEELCEFRPY SCPCPGASCK WQGS�DAVMP
HLMHQHKSIT TLQGEDIVFL ATDINLPGAV DWVMMQSCFG FHFMLVLEKQ EKYDGHQQFF AIVQLIGTRK QAENFAYRLE
LNGHRRRLTW EATPRSIHEG IATAIMNSDC LVFDTSIAQL FAENGNLGIN VTISMC

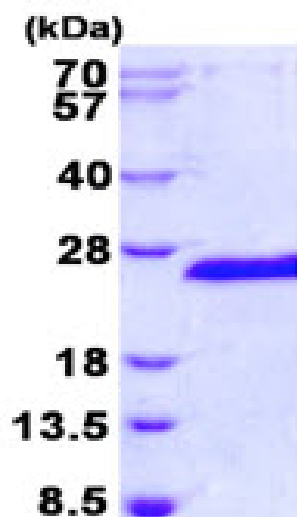
General References

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

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)