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
> 90% 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

using conventional chromatography techniques.

Amino acid Sequence

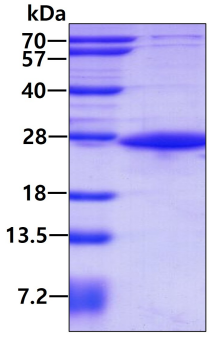
<MGSSHHHHHH SSGLVPRGSH MGS>VANSVLF PCKYASSGCE ITLPHTEKAD HEELCEFRPY SCPCPGASCK WQGSLDAVMP HLMHQHKSIT TLQGEDIVFL ATDINLPGAV DWVMMQSCFG FHFMLVLEKQ EKYDGHQQFF AIVQLIGTRK QAENFAYRLE LNGHRRRLTW EATPRSIHEG IATAIMNSDC LVFDTSIAQL FAENGNLGIN VTISMC

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.