

# Recombinant Full Length Human SIAH1 Protein, GST&His tagged

**Cat. No.** SIAH1-04HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of Human seven in absentia homolog 1 (Drosophila) (SIAH1), transcript variant 1, full length, with N-terminal GST and C-terminal His tag, expressed in E.coli.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-282 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | This gene encodes a protein that is a member of the seven in absentia homolog (SIAH) family. The protein is an E3 ligase and is involved in ubiquitination and proteasome-mediated degradation of specific proteins. The activity of this ubiquitin ligase has been implicated in the development of certain forms of Parkinson's disease, the regulation of the cellular response to hypoxia and induction of apoptosis. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. |
| <b>Form</b>             | 25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 58.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.                                    |
| <b>Storage</b>          | Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                  |
| <b>Concentration</b>    | >0.05 µg/µL as determined by microplate BCA method                                                                                                                                      |
| <b>Shipping</b>         | Dry Ice                                                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                         |
| <b>Gene Name</b>        | SIAH1 siah E3 ubiquitin protein ligase 1 [ Homo sapiens (human) ]                                                                                                                       |
| <b>Official Symbol</b>  | SIAH1                                                                                                                                                                                   |
| <b>Synonyms</b>         | SIAH1; siah E3 ubiquitin protein ligase 1; seven in absentia homolog 1 (Drosophila); E3 ubiquitin-protein ligase SIAH1; hSIAH1; siah-1a; seven in absentia homolog 1; SIAH1A; FLJ08065; |
| <b>Gene ID</b>          | 6477                                                                                                                                                                                    |
| <b>mRNA Refseq</b>      | NM_003031                                                                                                                                                                               |
| <b>Protein Refseq</b>   | NP_003022                                                                                                                                                                               |
| <b>MIM</b>              | 602212                                                                                                                                                                                  |
| <b>UniProt ID</b>       | Q8IUQ4                                                                                                                                                                                  |

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SDS-PAGE

116  
66  
45  
35  
25  
18  
14



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