

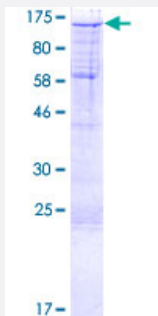
Full-Length

# SSH1 (Human) Recombinant Protein (P01)

Catalog # H00054434-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human SSH1 full-length ORF ( NP\_061857.2, 1 a.a. - 1049 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MVLVTLQRSPTPSAASSASNSELEAGSEEDRKLNLSESFMMVKGAALFLQQGSSPQQQRS  
LQHPKHAGDLPQHLQVMINLLRCEDRIKLAVRLESAWADRVRYMVVYSSGRQDTEENILLGVD  
FSSKESKSGTIGMVLRLWSDTKIHLDDGGFSVSTAGRMHIFKPVSVQAMWSALQVLHKACEVA  
RRHNYFPGGVALIWATYYESCISSEQSCINEWNAMQDLESTRPDSPALFVDKPTTEGTERLIKAK  
LRSIMMSQDLENTSKEIRNELEKQMNCNLKELKEFIDNEMLLILGQMDKPSLIFDHLVYLGSEWNA  
SNLEELQGGVDYILNVTREIDNFFPGLFAYHNIRVYDEETDLLAHWNEAYHFINKAKRNHSHKCLV  
HCKMGVSRSASTVIAYAMKEFGWPLEKAYNYVKQKRSITRPNAGFMRQLSEYEGILDASKQRHNK  
LWRQQTDSSLQQPVDDPAGPGDFLPETPDGTPESQLPFLDDAAQPLGPPLPCCFRRLSDPLL  
PSPEDETGSLVHLEDPEREALLEEAAPAEVHRPARQPQQGSGLCEKDVKKKLEFGSPKGRSG  
SLLQVEETEREEGLGAGRWGQLPTQLDQNLNSENNNNSKRSCPNGMEDDAIFGILNKVKPSY  
KSCADCMYPTASGAPEASRERCEPDNAPAICTQPAFLPHITSSPVAHLASRSRVPEKPASGPTE  
PPFLPPAGSRRADTSGPGAGAALEPPASLLEPSRETPKVLPKSLLLKNSHCDKNPPSTEVVKE  
ESSPKKDMKPAKDLRLLFSENESEKPTTNSYLMQHQESIQLQKAGLVRKHTKELERLKSVPADPA  
PPSRDGPASRLEASIPEESQDPAALHELGPLVMPSQAGSDEKSEAAPASLEGGSLKSPPPFFYR  
LDHTSSFSKDFLKTICYTPTSSSMSSNLTRSSSSDSIHSVRGKPGLVKQRTQEITRLRLAGLTVSS  
PLKRSHSLAKLGS�TFSTEDLSSEADPSTVADSQDITLSESSFLHEPQGTPRDPAAATSKPSGKP  
APENLKSPSWMSKS

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

141.9

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Interspecies Antigen Sequence | Mouse (82); Rat (80)                                                     |
| Preparation Method            | <a href="#">in vitro wheat germ expression system</a>                    |
| Purification                  | Glutathione Sepharose 4 Fast Flow                                        |
| Quality Control Testing       | 12.5% SDS-PAGE Stained with Coomassie Blue.                              |
| Storage Buffer                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| Storage Instruction           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.          |
| Note                          | Best use within three months from the date of receipt of this protein.   |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — SSH1

|                     |                                  |
|---------------------|----------------------------------|
| Entrez GeneID       | <a href="#">54434</a>            |
| GeneBank Accession# | <a href="#">NM_018984.2</a>      |
| Protein Accession#  | <a href="#">NP_061857.2</a>      |
| Gene Name           | SSH1                             |
| Gene Alias          | FLJ38102, KIAA1298, SSH-1        |
| Gene Description    | slingshot homolog 1 (Drosophila) |
| Omim ID             | <a href="#">606778</a>           |
| Gene Ontology       | <a href="#">Hyperlink</a>        |

**Gene Summary**

The ADF (actin-depolymerizing factor)/cofilin family (see MIM 601442) is composed of stimulus-responsive mediators of actin dynamics. ADF/cofilin proteins are inactivated by kinases such as LIM domain kinase-1 (LIMK1; MIM 601329). The SSH family appears to play a role in actin dynamics by reactivating ADF/cofilin proteins in vivo (Niwa et al., 2002 [PubMed 11832213]).[supplied by OMIM]

**Other Designations**

slingshot 1|slingshot homolog 1

**Pathway**

- [Regulation of actin cytoskeleton](#)

**Disease**

- [Colorectal Neoplasms](#)
- [Microsatellite Instability](#)
- [Stomach Neoplasms](#)