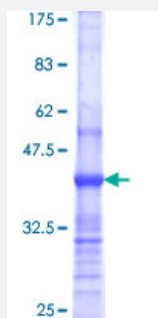


# SVIL (Human) Recombinant Protein (Q01)

Catalog # H00006840-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human SVIL partial ORF ( NP_003165, 1679 a.a. - 1786 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	LIHAGLEPLTFTNMFPSWEHREDIAEITEMDTEVSNQITLVEDVLAKLCKTYPLADLLARPLPEGVD PLKLEIYLTDEDFEFALDMTRDEYNALPAWKQVNLKKAKG
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	37.62
<b>Interspecies Antigen Sequence</b>	Mouse (96); Rat (97)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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 — SVIL

Entrez GeneID [6840](#)

GeneBank Accession# [NM\\_003174](#)

Protein Accession# [NP\\_003165](#)

Gene Name SVIL

Gene Alias DKFZp686A17191

Gene Description supervillin

Omim ID [604126](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a bipartite protein with distinct amino- and carboxy-terminal domains. The amino-terminus contains nuclear localization signals and the carboxy-terminus contains numerous consecutive sequences with extensive similarity to proteins in the gelsolin family of actin-binding proteins, which cap, nucleate, and/or sever actin filaments. The gene product is tightly associated with both actin filaments and plasma membranes, suggesting a role as a high-affinity link between the actin cytoskeleton and the membrane. The encoded protein appears to aid in both myosin II assembly during cell spreading and disassembly of focal adhesions. Two transcript variants encoding different isoforms of supervillin have been described. [provided by RefSeq]

**Other Designations** OTTHUMP00000019389|archvillin|membrane-associated F-actin binding protein p205

## Disease

- [Alzheimer Disease](#)
- [Carcinoma](#)

- [Genetic Predisposition to Disease](#)
- [Kidney Neoplasms](#)
- [Tobacco Use Disorder](#)