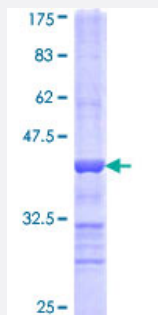


# SCLY (Human) Recombinant Protein (Q01)

Catalog # H00051540-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                          |
|--------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human SCLY partial ORF ( NP_057594, 346 a.a. - 444 a.a.) recombinant protein with GST-tag at N-terminal. |
| <b>Sequence</b>                      | NSQFPGTQRLPNTCNFSIRGPRLQGHVVLAQCRVLMA SVGAACHSDHGDQPSPVLLSYGV PFD VARNALRLSVGRSTTRA EVDLVVQDLKQAVAQLEDQ  |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                    |
| <b>Theoretical MW (kDa)</b>          | 36.63                                                                                                    |
| <b>Interspecies Antigen Sequence</b> | Mouse (78); Rat (78)                                                                                     |
| <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 — SCLY

Entrez GeneID [51540](#)

GeneBank Accession# [NM\\_016510](#)

Protein Accession# [NP\\_057594](#)

Gene Name SCLY

Gene Alias SCL

Gene Description selenocysteine lyase

Omim ID [611056](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** Selenocysteine lyase (SCLY; EC 4.4.1.16) catalyzes the pyridoxal 5-prime phosphate-dependent conversion of L-selenocysteine to L-alanine and elemental selenium (Mihara et al., 2000 [PubMed 10692412]).[supplied by OMIM]

Other Designations -

## Pathway

- [Metabolic pathways](#)
- [Selenoamino acid metabolism](#)

## Disease

- [Tobacco Use Disorder](#)