

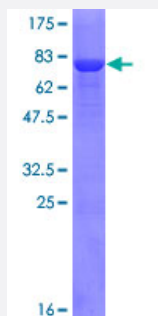
Full-Length

SCLY (Human) Recombinant Protein (P01)

Catalog # H00051540-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SCLY full-length ORF (NP_057594.2, 1 a.a. - 445 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEAAVAPGRDAPAPAASQPSGCGKHNSPERKVYMDYNATTPLEPEVIQAMTKAMWEAWGNPS
SPYSAGRKAKDIINAARESLAKMIGGKPQDIIFTSGGTESNNLVIHSVVKHFHANQTSKGHTGGHHS
PVKGAKPHFITSSVEHDSIRLPLEHLVEEQVAAVTFVPVSKVSGQTEVDDILA AVRPTTRLVTIMLA
NNETGIVMPVPEISQRIKALNQERVAAGLPPILVHTDAAQALGKQRVDVEDLGVDFTLVGHKFYGP
RIGALYIRGLGEFTPLYPMLFGGGQERNFRPGTENTPMIAGLGKAAELVTQNCEAYEAHMRDVRDY
LEERLEAEFGQKRIHLNSQFPGTQRLPNTCNFSIRGPRLQGHVVLAQCRVLMASVGAACHSDHG
DQPSPVLLSYGVPFDVARNALRLSVGRSTTRAEDLVVQDLKQAVAQLEDQA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.6

Interspecies Antigen Sequence

Mouse (82); Rat (82)

Preparation Method

[in vitro wheat germ expression system](#)

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 — SCLY

Entrez GeneID	51540
GeneBank Accession#	NM_016510.3
Protein Accession#	NP_057594.2
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](#)