

Recombinant Human SCLY, His-tagged

Cat. No. SCLY-7952H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Selenocysteine Lyase/SCLY is produced by our E. coli expression system. The target protein is expressed with sequence (Met1Ala445) of Human SCLY fused with a 6His tag at the Nterminus.
Species	Human
Source	E.coli
Description	Selenocysteine Lyase belongs to the classV pyridoxalphosphatedependent aminotransferase family. Selenocysteine Lyase exists as a homodimer in the cytosol. In the brain, Selenocysteine Lyase is as an enzyme that putatively salvages Sec and recycles the selenium for selenoprotein translation. Selenocysteine Lyase catalyzes the decomposition of Lselenocysteine to Lalanine and elemental selenium. Selenocysteine Lyase can be upregulated In acute glomerulonephritis, it can also be regulated by JUN/AP1.
Form	Supplied as a 0.2 µM filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Notes	For research use only.
Storage	Store at less than 20°C. stable for 6 months after receipt.Please minimize freezethaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



GENE INFORMATION

Gene Name	SCLY selenocysteine lyase [Homo sapiens]
Official Symbol	SCLY
Synonyms	SCLY; selenocysteine lyase; putative selenocysteine lyase; SCL; hSCL;
Gene ID	51540
mRNA Refseq	NM_016510
Protein Refseq	NP_057594
MIM	611056
UniProt ID	Q96I15
Chromosome Location	2q37.3
Pathway	Metabolic pathways, organism-specific biosystem; Selenium Metabolism and Selenoproteins, organism-specific biosystem; Selenocompound metabolism, organism-specific biosystem; Selenocompound metabolism, conserved biosystem;
Function	lyase activity; pyridoxal phosphate binding; selenocysteine lyase activity; transferase activity;

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