

## 32-8078: Recombinant Human Selenocysteine Lyase/SCLY (N-6His)

**Gene :** SCLY  
**Gene ID :** 51540  
**Uniprot ID :** Q96115

### Description

Source: E.coli.  
MW :50.34kD.

Recombinant Human Selenocysteine Lyase is produced by our E.coli expression system and the target gene encoding Met1-Ala445 is expressed with a 6His tag at the N-terminus. Selenocysteine Lyase belongs to the class-V pyridoxal-phosphate-dependent 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 L-selenocysteine to L-alanine and elemental selenium. Selenocysteine Lyase can be up-regulated In acute glomerulonephritis, it can also be regulated by JUN/AP-1.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHSSGLVPRGSHMEAAVAPGRDAPAPAASQPSGCGKHNSPERKVYMDYNATTPLEPEVIQAMT  
KAMWEAWGNPSSPYSAGRKAKDIINAARES LAKMIGGKPDIIFTSGGTESNNLVIHSVVKHFHANQTSKGHT  
GGHHSPVKGAKPHFITSSVEHDSIRLPLEHLVEEQVAAVTFVPVSKVSGQTEVDDILA AVRPTTRLVTIMLANNE  
TGIVMPVPEISQRIKALNQERVAAGLPPILVHTDAAQALGKQRVDVEDLGVDFTIVGHKFGYGPRI GALYIRGLGE  
FTPLYPMLFGGGQERNFRPGTENTPMIAGLGKAAELVTQNC EAYEAHMRDVRDYLEERLEAEFGQKRIHLNSQ  
FPGTQRLPNTCNFSIRGPR LQGHVVLAQCRVLMASVGAACHSDHGDQPSVLLSYGVPFDVARNALRLSVGR  
STTRA EVDLVVQDLKQAVAQLEDQA

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.