



Recombinant Protein Technical Manual

Recombinant Human SCLY Protein (His Tag)

RPES4137

Product Data:

Product SKU: RPES4137

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q96I15

Protein Information:

Molecular Mass: 50.3 kDa

AP Molecular Mass: 45 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Selenocysteine Lyase; hSCL; SCLY; SCL

Immunogen Information:

Sequence: Met 1-Ala445

Background:

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.