

## Recombinant Human SCD protein, His-tagged

Cat. No. SCD-2394H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SCD protein(O00767)(1-359aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-359aa
<b>Form</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Molecular Mass</b>	44.3 kDa
<b>AA Sequence</b>	MPAHLQDDISSYTTTTTITAPPSRVLQNGGDKLETMPLYLEDDIRPDIKDDIYDPTY KDKEGSPSPKVEYVWRNIILMSLLHLGALYGITLIPTCKFYTWLWGVFYYFVSALGITA GAHRLWSHRSYKARLPLRLFLIANTMAFQNDVYEWARHRAHHKFSETHADPHNS RRGFFFSHVGVLLVRKHPAVKEKGSTLDLSDLEAEKLVMFQRRYYKPGLLMMCFIL PTLVPWYFWGETFQNSVFVATFLRYAVVLNATWLVNSAAHLFGYRPPYDKNISPRENI LVSLGAVGEGFHNYHHSFPYDYSASEYRWHINF T T F F I D C M A A L G L A Y D R K K V S K A A ILARIKRTGDGNYKSG
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.

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**Storage** Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution** Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** [SCD stearoyl-CoA desaturase \(delta-9-desaturase\) \[ Homo sapiens \]](#)

**Official Symbol** [SCD](#)

**Synonyms** SCD; stearoyl-CoA desaturase (delta-9-desaturase); SCDOS, stearoyl CoA desaturase opposite strand; acyl-CoA desaturase; acyl CoA desaturase; delta 9 desaturase; FADS5; fatty acid desaturase; delta-9 desaturase; delta-9-desaturase; delta(9)-desaturase; predicted protein of HQ0998; stearoyl-CoA desaturase opposite strand; SCD1; SCDOS; MSTP008;

**Gene ID** [6319](#)

**mRNA Refseq** [NM\\_005063](#)

**Protein Refseq** [NP\\_005054](#)

**MIM** [604031](#)

**UniProt ID** [O00767](#)

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