

## Recombinant Zebrafish scd Protein, His&GST-tagged

**Cat. No.** scd-2743Z    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Zebrafish scd Protein (His87-Arg183) with N-His&GST tag was expressed in E. coli.
<b>Species</b>	Zebrafish
<b>Source</b>	E.coli
<b>ProteinLength</b>	His87-Arg183
<b>Description</b>	Predicted to enable iron ion binding activity; palmitoyl-CoA 9-desaturase activity; and stearoyl-CoA 9-desaturase activity. Predicted to be involved in monounsaturated fatty acid biosynthetic process; response to fatty acid; and unsaturated fatty acid biosynthetic process. Predicted to act upstream of or within fatty acid biosynthetic process. Predicted to be located in membrane. Predicted to be integral component of membrane. Predicted to be active in endoplasmic reticulum membrane. Predicted to be integral component of endoplasmic reticulum membrane. Is expressed in brain; female organism; heart; liver; and muscle. Human ortholog(s) of this gene implicated in autosomal dominant nonsyndromic deafness 79. Orthologous to human SCD (stearoyl-CoA desaturase) and SCD5 (stearoyl-CoA desaturase 5).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 41.7 kDa Accurate Molecular Mass: 42 kDa

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<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">scd stearoyl-CoA desaturase (delta-9-desaturase) [ Danio rerio (zebrafish) ]</a>
<b>Official Symbol</b>	<a href="#">scd</a>
<b>Synonyms</b>	scd; stearoyl-CoA desaturase (delta-9-desaturase); SCD1; acyl-CoA desaturase; EC 1.14.19.1
<b>Gene ID</b>	<a href="#">386661</a>
<b>mRNA Refseq</b>	<a href="#">NM_198815</a>
<b>Protein Refseq</b>	<a href="#">NP_942110</a>

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UniProt ID

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