

Recombinant Zebrafish scd Protein, His&GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Zebrafish scd Protein (His87-Arg183) with N-His&GST tag was expressed in E. coli.
Species	Zebrafish
Source	E.coli
ProteinLength	His87-Arg183
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.7 kDa Accurate Molecular Mass: 42 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	scd stearoyl-CoA desaturase (delta-9-desaturase) [Danio rerio (zebrafish)]
Official Symbol	scd
Synonyms	scd; stearoyl-CoA desaturase (delta-9-desaturase); SCD1; acyl-CoA desaturase; EC 1.14.19.1
Gene ID	386661
mRNA Refseq	NM_198815
Protein Refseq	NP_942110

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UniProt ID

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