

Recombinant Full Length *Xenopus Tropicalis* Sphingolipid Delta(4)-Desaturase Des1(Degs1) Protein, His-Tagged

Cat. No. RFL5316XF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Xenopus tropicalis</i> Sphingolipid delta(4)-desaturase DES1(degs1) Protein (Q68FB8) (1-323aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Xenopus tropicalis</i> (Western clawed frog) (<i>Silurana tropicalis</i>)
Source	<i>E. coli</i>
ProteinLength	Full Length (1-323)
Form	Lyophilized powder
AA Sequence	MGNSAAREDFEWVYTDQPHADRRKEILAKYPEIKSLMKPDHNLIVIVSLMVLTQLVAFYL VKDLWDKWLFWTYVVGSCISHSMTLAIHEISHNSAFGNSKAMWNRCFGMFA NLPLGLPY SVSFKRYHMDHHRYLGGDGVVDIPTDFEGWFFCTPLRKLWVILQPLFYTIRPLCINPK PITRLEIINLVVQFSFDALIYYTLGGKALFYMLVGSILGLGLHPISGHFIA EHYMFLKGH ETYSYYGPLNYLTFNVGYHNEHDFPSVPGKNLPLVRKIAAEYYDPL PKYSSWVKVLYDF VMDDTLSPYSRMKRKLKGLKLE
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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	degs1
Synonyms	degs1; des1; TGas057c03.1; Sphingolipid delta(4-desaturase DES1; Degenerative spermatocyte homolog 1; Dihydroceramide desaturase-1
UniProt ID	Q68FB8

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