

# Recombinant Full Length *Xenopus laevis* Fatty Acid Desaturase 2(Fads2) Protein, His-Tagged

**Cat. No.** RFL35855XF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length <i>Xenopus laevis</i> Fatty acid desaturase 2(fads2) Protein (Q6DDK2) (1-446aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
<b>Species</b>	<i>Xenopus laevis</i>
<b>Source</b>	<i>E. coli</i>
<b>ProteinLength</b>	Full Length (1-446)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>MGMGGQSGEGCSSGDCVKPEAQYSWEEIQKHNLKTDKWLVIERKVYNISQWVKR            HPGGMR IIGHYAGEDATDAFHAFHPDKTFVRKFLKPLYIGELAENEPSQDRDKNAQ            QVEDFRALRK TAEDMRLFKSNAFFIFYLFHILLIEFLAWCTLHYLGTGWIPAIITVLLL            TISQAQAGWL QHDFGHLSVFEKSKWNHLVHKFVIGHLKGASANWWNHRHFQHHA            KPNIFSKDPDVNMVNV FVLGGTQPVEFGKKGIKYLPYNHQHLYFFLIGPPLLIPVYFT            VQIIKTMIARKDWVDLAW SVSYYVRRFFFTFVPPFGVLGSLALLNAVRFFESHWFVWV            TQMNHLPMIAIEHEKYQDWLNT QLAATCNIEPSFFNDWFSGHLNFQIEHHLFPTMPR            HNYWKIAPLVRSLCSKYNVTYEEKC LYHGFRDVLRLSLKKSQQLWLDAYLHK</p>
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Applications</b>	SDS-PAGE

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<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Reconstitution</b>	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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	fads2
<b>Synonyms</b>	fads2; Fatty acid desaturase 2; Delta(6 fatty acid desaturase; D6D; Delta(6 desaturase; Delta-6 desaturase
<b>UniProt ID</b>	<a href="#">Q6DDK2</a>

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