

# Recombinant Full Length Mouse Fatty Acid Desaturase 1(Fads1) Protein, His-Tagged

**Cat. No.** RFL35517MF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Mouse Fatty acid desaturase 1(Fads1) Protein (Q920L1) (1-447aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Mus musculus
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length (1-447)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>MAPDPVPTPGPASAQLRQTRYFTWEEVAQRSGREKERWLVIDRKVYNISDFSRRH            PGGSR VISHYAGQDATDPFVAFHINKGLVRKYMNSLLIGELAPEQPSFEPTKNKALT            DEFRELRA TVERMGLMKANHLFFLVYLLHILLLDVAAWLTLWIFGTSLVPPFILCAVLLS            TVQAQAGWL QHDFGHLSVFGTSTWNHLLHHFVIGHLKGAPASWWNHMHFQHHAK            PNCFRKDPDINMHPL FFALGKVLVVELGREKKKHMPYNHQHKYFFLIGPPALLPLYF            QWYIFYFVVQRKKWVDLA WMLSFYARIFFTYMPLLGLKGFLGLFFIVRFLESNWFV            WVTQMNHIPMHIDHRNVDWVS TQLQATCNVHQSAFNNWFSGHLNFQIEHHLFPT            MPRHNYHKVAPLVQSLCAKYGIKYESK PLLTAFADIVYSLKESGQLWLDAYLHQ</p>
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Applications</b>	SDS-PAGE

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<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 mutiple 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.

## GENE INFORMATION

<b>Gene Name</b>	Fads1
<b>Synonyms</b>	Fads1; Acyl-CoA; 8-3-desaturase; Delta(5 fatty acid desaturase; D5D; Delta(5 desaturase; Delta-5 desaturase; Fatty acid desaturase 1
<b>UniProt ID</b>	<a href="#">Q920L1</a>

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