

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

Cat. No. RFL8080RF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Rat Fatty acid desaturase 2(Fads2) Protein (Q9Z122) (1-444aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length (1-444)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>MGKGGNQGEGSTELQAPMPTFRWEEIQKHNLRTDRWLVIDRKVYNVTKWSQRHP  GGHRVI GHYSGEDATDAFRAFHLDFVVGKFLKPLLIGELAPEEPSLDRGKSSQITE  DFRALKKTA EDMNLFKTNHLFFLLLSHIIVMESIAWFILSYFGNGWIPTVITAFVLATS  QAQAGWLQH DYGHLSVYKKSIVNHVHKFVIGHLKGASANWWNHRHFQHHAKPNI  FHKDPDIKSLHVFV LGEWQPLEYGGKKLKYLPYNHQHEYFFLIGPPLLIPMYFQYQII  MTMIRRRDWVDLAWAI SYYARFFYTYIPFYGILGALVFLNFIRFLESHWFVWVTQMN  HIVMEIDLHYRDWFSSQL AATCNVEQSFFNDWFSGHLNFQIEHHLFPTMPRHNLH  KIAPLVKSLCAKHGIEYQEKPLL RALLDIVSSLKKSSELWLDAYLHK</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>	Fads2
<b>Synonyms</b>	Fads2; Fadsd6; Acyl-CoA 6-desaturase; Delta(6 fatty acid desaturase; D6D; Delta(6 desaturase; Delta-6 desaturase; Fatty acid desaturase 2
<b>UniProt ID</b>	<a href="#">Q9Z122</a>

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