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

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

SPECIFICATION

Product Overview	Recombinant Full Length Rat Fatty acid desaturase 2(Fads2) Protein (Q9Z122) (1-444aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length (1-444)
Form	Lyophilized powder
AA Sequence	MGKGGNQGEGSTELQAPMPTFRWEEIQKHNLRTDRWLVIDRKVYNVTKWSQRHP GGHRVI GHYSGEDATDAFRAFHLDLDFVGKFLKPLLIGELAPEEPSLDRGKSSQITE DFRALKKTA EDMNLFKTNHLFFFLLLSHIIVMESIAWFILSYFGNGWIPTVITAFVLATS QAQAGWLQH DYGHLSVYKKSIWNHIVHKFVIGHLLKGASANWWNHRHFQHHAKPNI FHKDPDIKSLHVFV LGEWQPLEYGKKKLKYLPYNHQHEYFFLIGPPLLIPMYFQYQII MTMIRRRDWVDLAWAI SYYARFFYTYIPFYGILGALVFLNFIRFLESHWFVWVTQMN HIVMEIDLDHYRDWFSSQL AATCNVEQSFFNDWFSGHLNFQIEHHLFPTMPRHNLH KIAPLVKSLCAKHGIEYQEKPLL RALLDIVSSLKKSGELWLDAYLHK
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
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℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	Fads2
Synonyms	Fads2; Fadsd6; Acyl-CoA 6-desaturase; Delta(6 fatty acid desaturase; D6D; Delta(6 desaturase; Delta-6 desaturase; Fatty acid desaturase 2
UniProt ID	Q9Z122

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