

Recombinant Full Length Brassica Napus Omega-3 Fatty Acid Desaturase, Endoplasmic Reticulum(Fad3) Protein, His-Tagged

Cat. No. RFL25620BF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Brassica napus Omega-3 fatty acid desaturase, endoplasmic reticulum(FAD3) Protein (P48624) (1-383aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Brassica napus
Source	E.coli
ProteinLength	Full Length (1-383)
Form	Lyophilized powder
AA Sequence	MVVAMDQRSNVNGDSGARKEEGFDPSAQPPFKIGDIRAAIPKHCWVKSPLRSMYSY VTRDI FAVAALAMAAVYFDSWFLWPLYWVAQGTLFWAIFVLGHDCGHGSFSDIPLL NSVVGHILH SFILVPYHGWRISHRTHHQNHGHVENDESWVPLPEKLYKNLPHSTRM LRYTVPLPMLAYP IYLWYRSPGKEGSHFNPYSSLFAPSERKLIATSTTCWSIMLATLV YLSFLVDPVTVLKVY GVPYIIFVMWLDVATYLLHHHGHDEKLPWYRGKEWSYLRGGL TTIDRDYGFNNIHHDIGT HVIHHLFPQIPHYHLVDATRAAKHVLGRYYREPKTSGAIP HLVESLVASIKKDHYVSDT GDIVFYETDPDLYVYASDKSKIN
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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	FAD3
Synonyms	FAD3; BnaC04g14820D; GSBRNA2T00113350001; Acyl-lipid omega-3 desaturase; cytochrome b5, endoplasmic reticulum; Omega-3 fatty acid desaturase 3, endoplasmic reticulum
UniProt ID	P48624

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