

Recombinant Full Length Mortierella Alpina Delta(12) Fatty Acid Desaturase Protein, His-Tagged

Cat. No. RFL20588MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mortierella alpina Delta(12) fatty acid desaturase Protein (Q9Y8H5) (1-400aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Mortierella alpina (Oleaginous fungus) (Mortierella renispora)
Source	E.coli
ProteinLength	Full Length (1-400)
Form	Lyophilized powder
AA Sequence	MAPPNTIDAGLTQRHISTSAAPTSAPAFERNYQLPEFTIKEIRECIPAHCFERSGLRG L CHVAIDLTWASLLFLAATQIDKFENPLIRYLAWPAYWIMQGIVCTGIWVLAHECGHQ SFS TSKTLNNTVGWILHSMLLVPHYHSWRISHSKHHKATGHMTKDQVFVPKTRSQVG LPPKENA AAVQEEDMSVHLDEEAPIVTLFWMVIQFLFGWPAYLIMNASGQDYGR WTSHFHTYSPIF EPRNFFDIIISDLGVLAALGALIYASMQLSLLTVTKYYIVPYLFVNFW LVLITFLQHTDP KLPHYREGAWNFRGALCTVDRSFGKFLDHMFHGIVHTHVAHHL FSQMPFYHAEETATYHL KKLLGEYYVYDPSPIVVAVWRSFRECRFVEDHGDVVFVKK
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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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	Mortierella alpina Delta(12) fatty acid desaturase
Synonyms	Delta(12 fatty acid desaturase; Delta-12 fatty acid desaturase
UniProt ID	Q9Y8H5

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