Recombinant Zea mays O-acyltransferase(DGAT1-2) Protein, N-10×His tagged

Cat. No. O-acyltransferase-07Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Zea mays O-acyltransferase(DGAT1-2) Protein with N-10×His tag was expressed in E. coli.
Species	Zea mays
Source	E.coli
Molecular Mass	57.8 kDa
AA Sequence	MAPPPSMPAASDRAGPGRDAGDSSSLRLRRAPSADAGDLAGDSSGGLRENGEPQ SPTNPPPQEQQQHEMLYYRASAPAHRRVKESPLSSDAIFRQSHAGLLNLCIVVLIAV NSRLIIENLMKYGLLIRAGFWFSARSLGDWPLLMCCLTLPVFPLVALMAEKLITRKLIG EHVVILLHIIITTSAIVYPVVVTLKCDSAVLSGFVLMFLASIMWMKLVSYAHTNYDIRVL SKSTEKGAAYGNYVDPENMKDPTFKSLVYFMLAPTLCYQPTYPQTTCIRKGWVTQQ LIKCVVFTGLMGFIIEQYINPIVKNSKHPLKGNFLNAIERVLKLSVPTLYVWLCMFYCFF HLWLNIVAELLCFGDREFYKDWWNAKTVEEYWRMWNMPVHKWIIRHIYFPCIRKGF SRGVAILISFLVSAVFHEICIAVPCHIFKFWAFSGIMFQIPLVFLTRYLHATFKHVMVGN MIFWFFFSIVGQPMCVLLYYHDVMNRQAQASR
Purity	≥85% by SDS-PAGE
Applications	MAPPPSMPAASDRAGPGRDAGDSSSLRLRRAPSADAGDLAGDSSGGLRENGEPQ SPTNPPPQEQQQHEMLYYRASAPAHRRVKESPLSSDAIFRQSHAGLLNLCIVVLIAV NSRLIIENLMKYGLLIRAGFWFSARSLGDWPLLMCCLTLPVFPLVALMAEKLITRKLIG

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	EHVVILLHIIITTSAIVYPVVVTLKCDSAVLSGFVLMFLASIMWMKLVSYAHTNYDIRVL SKSTEKGAAYGNYVDPENMKDPTFKSLVYFMLAPTLCYQPTYPQTTCIRKGWVTQQ LIKCVVFTGLMGFIIEQYINPIVKNSKHPLKGNFLNAIERVLKLSVPTLYVWLCMFYCFF HLWLNIVAELLCFGDREFYKDWWNAKTVEEYWRMWNMPVHKWIIRHIYFPCIRKGF SRGVAILISFLVSAVFHEICIAVPCHIFKFWAFSGIMFQIPLVFLTRYLHATFKHVMVGN MIFWFFFSIVGQPMCVLLYYHDVMNRQAQASR
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from PBS,0.05% Brij-78, 6% Trehalose, pH 7.4 The volume before lyophilization is 100ul/vial.
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 centigrade. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Official Symbol	O-acyltransferase
Synonyms	O-acyltransferase; OATs

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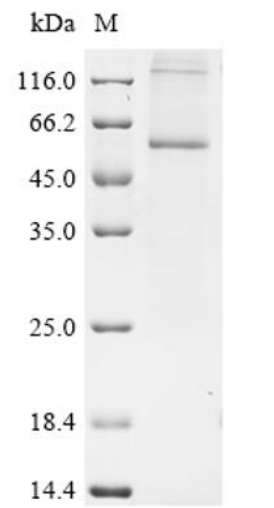
SDS-PAGE	 Observed band size: Monomer: 60 kDa It is speculated that the protein forms a dimeric structure. (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel. Boiling SDS-treated samples may result in membrane protein aggregation. Incubation at 37 ° C for 10 min is an effective alternative.

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