

Recombinant TmZmL-DGAT1, His tagged

Cat. No. TmZmL-DGAT1-01 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant TmZmL-DGAT1 with His tag was expressed in E. coli.
Source	E.coli
AASequence	MAVAESSQNTTTMSGHGDSDLNNFRRRKPSSSVIEPSSSGFTSTNGVPATGHVAE NRDQDRVGAMENATGSVNLIGNGGGVVIGNEEKQVGETDIRFTYRPSFPAHRRVRE SPLSSDAIFKQSHAGLFNLCIVVLVAVNSRLIENLMKYGLLIRSGFWFNATSLRDWPL LMCCLSLPIFPLGAFAVEKLAFFNNLISDPATTCFHILFTTFEIVYPVLVILKCDSAVLSGF VLMFIACIVWLKLVSAHTNHDIRKLITSGKKVDNELTAAGIDNLQAPTGLSLTYFMMA PTLCYQPSYPRTPYVRKGWLVRQVILYLIFTGLQGFIIEQYINPIVVNSQHPLMGGLLN AVETVLKLSLPNVYLWLCMFYCLFHLWLNILAEILRFGDREFYKDWVNAKTIDEYWR KWNMPVHKWIVRHIYFPCMRNGISKEVAVFISFFVSAVLHELCAVVPCHILKFWAFLG IMLQIPLIILTSYLKNKFSDTMVGNMIFWFFFCIYGQPMCVLLYYHDVMNRTEKAK
Molecular Mass	60.5 kDa
Purity	≥93% by SDS-PAGE
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 124 µL/vial.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the

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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 TmZmL-DGAT1

Synonyms TmZmL-DGAT1

SDS-PAGE

Observed band size: Monomer 60 kDa Dimer 120 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 centigrade for 10 min is an effective alternative.

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