# Recombinant TmZmL-DGAT1, His tagged

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

## SPECIFICATION

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| **Product Overview** | Recombinant TmZmL-DGAT1 with His tag was expressed in E. coli. |
| **Source** | E.coli |
| **AASequence** | MAVAESSQNTTTMSGHGDSDLNNFRRRKPSSSVIEPSSSGFTSTNGVPATGHVAE NRDQDRVGAMENATGSVNLIGNGGGVVIGNEEKQVGETDIRFTYRPSFPAHRRVRE SPLSSDAIFKQSHAGLFNLCIVVLVAVNSRLIIENLMKYGLLIRSGFWFNATSLRDWPL LMCCLSLPIFPLGAFAVEKLAFNNLISDPATTCFHILFTTFEIVYPVLVILKCDSAVLSGF VLMFIACIVWLKLVSFAHTNHDIRKLITSGKKVDNELTAAGIDNLQAPTLGSLTYFMMA PTLCYQPSYPRTPYVRKGWLVRQVILYLIFTGLQGFIIEQYINPIVVNSQHPLMGGLLN AVETVLKLSLPNVYLWLCMFYCLFHLWLNILAEILRFGDREFYKDWWNAKTIDEYWR KWNMPVHKWIVRHIYFPCMRNGISKEVAVFISFFVSAVLHELCVAVPCHILKFWAFLG 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

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| **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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