

## Product datasheet for **TP306171M**

### **POGLUT3 (NM\_153705) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human KDEL (Lys-Asp-Glu-Leu) containing 2 (KDEL2), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC206171 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MRRLPRALLLQRLALLVAAGAPEVLVSAPRSLVWGPGQLAAVVLPRVRYFYLQAVNSEGQNLTRSPAGET  
PFKVVVKSLSPKELVRIHVPKPLDRNDGTFLMRMYETVDEGLKIEVLYGDEHVAQSPYILKGPVYHEY  
CECPEDPQAWQKTLSCPTKEPQIAKDFASFPSINLQQMLKEVPKRFGDERGAIVHYTILNNHVYRRSLGK  
YTDKMFSDIILLSTRKVLLPDLEFYVNLGDWPLEHRKVNGTPSPIIISWCGSLDSRDVWLPTYDITH  
SMLEAMRGVTNDLLSIQGNTGPSWINKTERAFFRGRDSLEERLQLVQLSKENPQLLDAGITGYFFFQEKE  
KELGKAKLMGFFDFFKYQVNVDTVAAYRYPYMLGDSLVLKQDSPYYEHFYMALEPWKHVYPIKRN  
SDLLEKVKWAKENDEEAKKIAKEGQLMARDLLQPHRLCYCYQVQLKYAERQSSKPEVRDGMELVPQPED  
STAICQCHRRKPSREEL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 58.4 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: NP\_714916

Locus ID: 143888

UniProt ID: Q7Z4H8

RefSeq Size: 4311

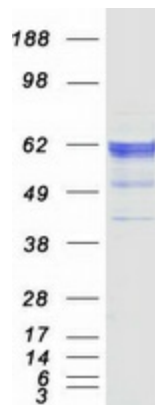
Cytogenetics: 11q22.3

RefSeq ORF: 1521

Synonyms: KDELC2

**Summary:** Protein glucosyltransferase that catalyzes the transfer of glucose from UDP-glucose to a serine residue within the consensus sequence peptide C-X-N-T-X-G-S-F-X-C (PubMed:30127001). Can also catalyze the transfer of xylose from UDP-xylose but less efficiently (PubMed:30127001). Specifically targets extracellular EGF repeats of proteins such as NOTCH1 and NOTCH3 (PubMed:30127001). May regulate the transport of NOTCH1 and NOTCH3 to the plasma membrane and thereby the Notch signaling pathway (PubMed:30127001).[UniProtKB/Swiss-Prot Function]

## Product images:



Coomassie blue staining of purified POGLUT3 protein (Cat# [TP306171]). The protein was produced from HEK293T cells transfected with POGLUT3 cDNA clone (Cat# [RC206171]) using MegaTran 2.0 (Cat# [TT210002]).