

**POGLUT1, 24-392aa, Human, His tag, Baculovirus**

**Cat.NO.: TP03452**

3th Edition

**Synonyms:**Protein O-glucosyltransferase 1, POGLUT1, C3orf9, CLP46, hCLP46, KDELCL1, KTELC1

**Description:**POGLUT1, also known as protein O-glucosyltransferase 1, is a homologue of Rumi from Drosophila, an endoplasmic reticulum (ER)-retaining glucosyltransferase that adds glucose to serine residues within the consensus sequence of C1-X-S-X-P-C2 in Notch EGF repeats, thereby regulating cell-fate decisions. Recombinant human POGLUT1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:**44.5kDa (377aa); 40-57kDa (SDS-PAGE under reducing conditions)

**Sequences:**

RQKESGSKWKVFDIQINRSLENYEPCSSQNCSCYHGVIIEEDLTPFRGGISRKMMAEVVRRKLGTHYQITKNRLYRE  
NDCMFPSRCSGVEHFILEVIGRLPDMEMVINVRDYPQVPKWMEPAIPVFSFSKTSEYHDIMYPAWTFWEGGPAVW  
PIYPTGLGRWDLFREDLVRSAQWPWKKKNSTAYFRGSRTSPERDPLILLSRKNPKLVDAEYTKNQAWKSMKDTL  
GKPAAKDVHLVDHCKYKYLNFNFRGVAASFRFKHLFLCGSLVFHVGDEWLEFFYPQLKPWVHYIPVKTDLSNVQELL  
QFVKANDDVAQEIAERGSQFIRNHLQMDDITCYWENLLSEYSKFLSYNVTRRKGYDQIIPKMLKTELLEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.