

## 32-6888: POGLUT1 Human

### Alternative Name :

POGLUT1, C3orf9, CLP46, hCLP46, KDELCL1, KTELC1, Protein O-glucosyltransferase 1, CAP10-like 46 kDa protein, KTEL motif-containing protein 1, Myelodysplastic syndromes relative protein, O-glucosyltransferase Rumi homolog, hRumi, Protein O-xylosyltransferase, MDSRP.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

POGLUT1 is a homologue of Rumi from *Drosophila*, an endoplasmic reticulum (ER)-retaining glucosyltransferase which catalyzes the transfer of glucose and xylose from UDP-glucose and UDP-xylose, respectively, to EGF repeats on the consensus sequence C-X-S-X-P-C. POGLUT1 positively regulates Notch signaling without affecting Notch ligand binding.

POGLUT1 Human Recombinant produced in Sf9 Baculovirus cells is a single, non-glycosylated polypeptide chain containing 377 amino acids (24-392a.a) and having a molecular mass of 44.5kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions). POGLUT1 is fused to a 8 amino acid His-tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

#### Amount :

1 µg / 5 µg

#### Purification :

Greater than 90% as determined by SDS-PAGE.

#### Content :

The POGLUT1 solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

#### Storage condition :

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

#### Amino Acid :

RQKESGSKWK VFIDQINRSL ENYEPSSQN CSCYHGVIIE DLTPFRGGIS RKMMAEVRRR KLGTHYQITK  
NRLYRENDKM FPSRCSGVEH FILEVIGRLP DMEVINVVD YPQVPKWMEP AIPVFSFSKT SEYHDIMYPA  
WTFWEGGPAV WPIYPTGLGR WDLFREDLVR SAAQWPWKKK NSTAYFRGSR TSPERDPLIL  
LSRKNPKLVD AEYTKNQAWK SMKDTLGKPA AKDVHLVDHC KYKYLNFNFRG VAASFRFKHL FLCGSLVFHV  
GDEWLEFFYP QLKPWVHYIP VKTDLSNVQE LLQFVKANDD VAQEIAERGS QFIRNHLQMD DITCYWENLL  
SEYSKFLSYN VTRRKGVDQI IPKMLKTELL EHHHHHH.