
Product Data Sheet

Product Name: POGLUT1 Human
 Cat. No.: GP22110
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Amino Acid Sequence	RQKESGSKWKVFDQINRSL ENYPCSSQN CSCYHGVIEE DLTPFRGGIS RKMMAEVRR KLGTHYQITK NRLYREND CMFPSRC SGVEH FILEVIGRLP D MEMVINVRD YPQVPK WMEP AIPVFSFSKT SEYHDIMYPA WTFWEGGPAVWPIYPTGLGR WDLFREDLVR SAAQWPWKKK NSTAYFRGSR TSPERDPLIL LSRKNPKLVD AEYTKNQAWKSMKDTLGKPA AKDVHLVDHC KYKYLNFNRG VAASFRFKHL FLCGSLVFHV GDEWLEFFYP QLKPWVHYIPVKTDLSNVQE LLQFVKANDD VAQEIAERGS QFIRNHLQMD DITCYWENLL SEYSKFLSYN VTRRKG YDQIIPKMLKTELL EHHHHHH.		
Formulation	The POGLUT1 solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Background

POGLUT1 Human Recombinant produced in Sf9 Baculovirus cells is a single, non-glycosylated polypeptide chain containing 377 amino acids (24-392 a.a) and having a molecular mass of 44.5 kDa (Migrates at 40-57 kDa 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.

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