Recombinant Human POGLUT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. POGLUT1-6121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KTELC1 MS Standard C13 and N15-labeled recombinant protein (NP_689518) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein with both O-glucosyltransferase and O-xylosyltransferase activity which localizes to the lumen of the endoplasmic reticulum. This protein has a carboxy-terminal KTEL motif which is predicted to function as an endoplasmic reticulum retention signal. This gene is an essential regulator of Notch signalling and likely plays a role in cell fate and tissue formation during development. It may also play a role in the pathogenesis of leukemia. Mutations in this gene have been associated with the autosomal dominant genodermatosis Dowling-Degos disease 4. Alternative splicing results in multiple transcript variants.
Molecular Mass	46.2 kDa
AA Sequence	MEWWASSPLRLWLLLFLLPSAQGRQKESGSKWKVFIDQINRSLENYEPCSSQNCS CYHGVIEEDLTPFRGGISRRMMAEVVRRKLGTHYQITKNRLYRENDCMFPSRCSGV EHFILEVIGRLPDMEMVINVRDYPQVPKWMEPAIPVFSFSKTSEYHDIMYPAWTFWE GGPAVWPIYPTGLGRWDLFREDLVRSAAQWPWKKKNSTAYFRGSRTSPERDPLILL SRKNTKLVDAEYTKNQAWKSMKDTLGKPAAKDVHLVDHCKYKYLFNFRGVAASFRF

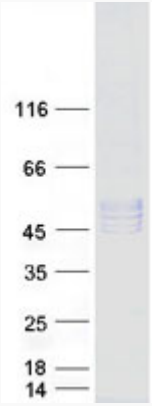
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	KHLFLCGSLVFHVGDEWLEFFYPQLKPWVHYIPVKTDLSNVQELLQFVKANDDVAQ EIAERGSQFIRNHLQMDDITCYWENLLSEYSKFLSYNVTRRKGYDQIIPKMLKTELTR TRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	POGLUT1 protein O-glucosyltransferase 1 [Homo sapiens (human)]
Official Symbol	POGLUT1
Synonyms	POGLUT1; protein O-glucosyltransferase 1; C3orf9, chromosome 3 open reading frame 9, KTEL (Lys Tyr Glu Leu) containing 1, KTELC1; 9630046K23Rik; hCLP46; KDELC family like 1; KDELCL1; MDS010; MDSRP; MGC32995; Rumi; x 010 protein; CAP10-like 46 kDa protein; CAP10-like protein, 46 kDa; KTEL motif-containing protein 1; KTEL (Lys-Tyr-Glu-Leu) containing 1; myelodysplastic syndromes relative protein; CLP46; C3orf9; KTELC1;
Gene ID	56983
mRNA Refseq	NM_152305

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Protein Refseq	NP_689518
MIM	615618
UniProt ID	Q8NBL1
SDS-PAGE	

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