

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

Cat. No. POGLUT1-3323H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KTELC1 MS Standard C13 and N15-labeled recombinant protein (NP_064616) 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 kDa
AA Sequence	MEWWASSPLRLWLLLFLLPSAQGRQKESGSKWKVFIDQINRSLENYEPCSSQNCS CYHGVIEEDLTPFRGGISRKMMAEVVRRKLGTHYQITKNRLYRENDMFPSPRCSGV EHFILEVIGRLPDMEMVINVRDYPQVPKWMPEAIPVFSFSKTSEYHDIMYPAWTFWE GGPAVWPIYPTGLGRWDLFREDLVRSAQWPWKKKNSTAYFRGSRTSPERDPLILL SRKNPKLVDAEYTKNQAWKSMKDTLGKPAAKDVHLVDHCKYKYLNFNRGVAASFR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FKHLFLCGSLVFHVGDEWLEFFYPQLKPWWHYIPVKTDLSNVQELLQFVKANDDDVA
QEIAERGSQFIRNHLQMDDITCYWENLLSEYSKFLSYNVTRRKGYDQIIPKMLKTELT
RTRPLEQKLISEEDLAANDILDYKDDDDKV

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; KDELC1; 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_020231](#)

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Protein Refseq NP_064616

MIM 615618

UniProt ID Q8NBL1

SDS-PAGE



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