

# Recombinant Full Length Human KTELC1 Protein, GST-tagged

**Cat. No.** KTELC1-5850HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human KTELC1 full-length ORF (BAC11625.1, 1 a.a. - 392 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 392 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | <p>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. [provided by RefSeq, Apr 2014]</p> |
| <b>Molecular Mass</b>   | 72.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | <p>MEWWASSPLRLWLLLFLLP<br/>SAQGRQKESGSKWKVFIDQ<br/>INRSLENYPCSSQNCS<br/>CYHGVIEEDLTPFRGGISR<br/>KMMAEVVRRKLGTHYQIT<br/>KNRLYREND<br/>CMFPSRCSGV<br/>EHFILEVIGRLPDMEMVIN<br/>VRDYPQVPKWM<br/>EPAIPVFSFSKTSEYH<br/>DIMYPAWTFWE<br/>GGPAVWPIYPTGLGRWDL<br/>FREDLVRSA<br/>AQWPWKKKNSTAYFRG<br/>SRTSPERDPLILL</p>                                                                                                                                                                                                                                                                                                                                                                                            |

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SRKNPKLVDAEYTKNQAWKSMKDTLGKPAAKDVHLVDHCKYKYLNFNRGVAASFR  
FKHLFLCGSLVFHVGDEWLEFFYPQLKPWWHYIPVKTDLSNVQELLQFVKANDDVA  
QEIAERGSQFIRNHLQMDDITCYWENLLSEYSKFLSYNVTRRKGYDQIIPKMLKTEL

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

POGLUT1 protein O-glucosyltransferase 1 [ Homo sapiens (human) ]

**Official Symbol**

KTELC1

**Synonyms**

POGLUT1; protein O-glucosyltransferase 1; Rumi; CLP46; MDSRP; C3orf9; KTELC1; LGMD2Z; MDS010; hCLP46; KDELCL1; protein O-glucosyltransferase 1; 9630046K23Rik; CAP10-like 46 kDa protein; KDELCL family like 1; KTEL (Lys-Tyr-Glu-Leu) containing 1; KTEL motif-containing protein 1; O-glucosyltransferase Rumi homolog; hRumi; myelodysplastic syndromes relative protein; protein O-xylosyltransferase; protein O-xylosyltransferase POGLUT1; x 010 protein; EC 2.4.2.26

**Gene ID**

56983

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|                |           |
|----------------|-----------|
| mRNA Refseq    | NM_152305 |
| Protein Refseq | NP_689518 |
| MIM            | 615618    |
| UniProt ID     | Q8NBL1    |

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