

Product datasheet for PH305992

KTEL1 (POGLUT1) (NM_152305) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KTELC1 MS Standard C13 and N15-labeled recombinant protein (NP_689518)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205992
Predicted MW:	46.2 kDa
Protein Sequence:	>RC205992 protein sequence Red=Cloning site Green=Tags(s)

MEWASSPLRLWLLLFLPSAQGRQKESGSKWKVFDQINRSLENYEPCSSQNCSCYHGVI EEDLTPFRG
GISRRMMAEVVRRKLGTHYQITKNRLYRENDCMFSPRCSGVEHF ILEVI GRLPDMEMVINVRDYPQVPKW
MEPAIPVFSFSKTSEYHDIMYPAWTFWEGGPAVWPIYPTGLGRWDLFREDLVRSAAQWPWKKNSTAYFR
GSRTSPERDPLILLSRKNTKLVDAEYTKNQAWKSMKDTLGKPAKDVHLVDHCKYKYL FNRGVAASFRF
KHLFLCGSLVFHVGDEWLEFFYPQLKPWHYIPVKTDLSNVQELLQFVKANDDVAQEIAERGSQFIRNHL
QMDDITCYWENLLSEYSKFLSYNVTRRKGVDQIIPKMLKTEL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_689518
RefSeq Size:	3552
RefSeq ORF:	1176
Synonyms:	C3orf9; CLP46; hCLP46; KDELCL1; KTELC1; LGMD2Z; LGMDR21; MDS010; MDSRP; Rumi
Locus ID:	56983



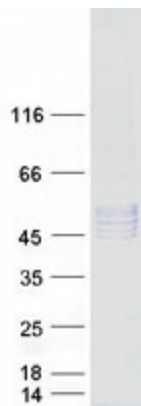
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UniProt ID: [Q8NBL1](#)

Cytogenetics: 3q13.33

Summary: 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]

Product images:



Coomassie blue staining of purified POGLUT1 protein (Cat# [TP305992]). The protein was produced from HEK293T cells transfected with POGLUT1 cDNA clone (Cat# [RC205992]) using MegaTran 2.0 (Cat# [TT210002]).