

Recombinant human Protein O-glucosyltransferase 1/POGLUT1 protein

Catalog Number: ATGP3356

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

24-392aa

UniProt No.

Q8NBL1

NCBI Accession No.

NP_689518

Alternative Names

CAP10-like 46 kDa protein, hCLP46, KTEL (Lys-Tyr-Glu-Leu) containing 1, Myelodysplastic syndromes relative protein, O-glucosyltransferase Rumi homolog, C3orf9, KDELC family like 1, KTELC1, MDSRP, MDS010

PRODUCT SPECIFICATION

Molecular Weight

44.5 kDa (377aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

POGLUT1, also known as protein O-glucosyltransferase 1, is a homologue of Rumi from Drosophila, an endoplasmic reticulum (ER) -retaining glucosyltransferase that adds glucose to serine residues within the consensus sequence of C1-X-S-X-P-C2 in Notch EGF repeats, thereby regulating cell-fate decisions. Recombinant

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human POGLUT1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

RQKESGSKWK VFIDQINRSL ENYEPCCSSQN CSCYHGVIEE DLTPFRGGIS RKMMAEVVRR KLGTHYQITK NRLYREND CM
FPSRCSGVEH FILEVIGRLP DMEVMINVRD YPQVPKWMEP AIPVFSFSKT SEYHDIMYP WTFWEGGPAV WPIYPTGLGR
WDLFREDLVR SAAQWPWKKK NSTAYFRGSR TSPERDPLIL LSRKNPKLVD AEYTKNQAWK SMKDTLGKPA AKDVHLVDHC
KYKYLNFNFRG VAASFRFKHL FLCGSLVFHV GDEWLEFFYP QLKPWVHYIP VKTDLSNVQE LLQFVKANDD VAQEIAERGS
QFIRNHLQMD DITCYWENLL SEYSKFLSYN VTRRKG YDQI IPKMLKTELL EHHHHHHH

General References

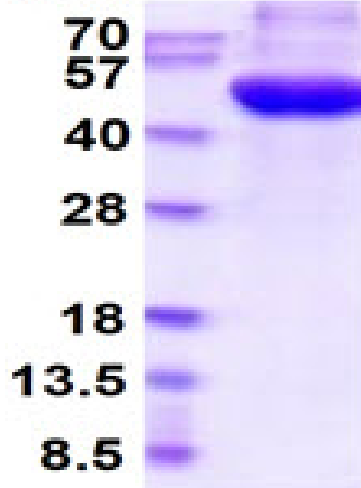
Acar M., et al. (2008) Cell 132:247-258.

Teng Y., et al. (2006) Gene. 371:7-15.

DATA

SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)