

Recombinant human MLEC protein

Catalog Number: ATGP2228

PRODUCT INFORMATION

Expression system

E.coli

Domain

29-269aa

UniProt No.

Q14165

NCBI Accession No.

NP_055545

Alternative Names

Malectin, Malectin, KIAA0152

PRODUCT SPECIFICATION

Molecular Weight

29.1 kDa (264aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

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

MLEC belongs to the malectin family and is localized on endoplasmic reticulum membrane. This protein is a carbohydrate-binding protein with a strong ligand preference for Glc2-N-glycan and may play a role in the early steps of protein N-glycosylation. Recombinant human MLEC protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>PGLGVAG VAGAAGAGLP ESVIWAVNAG GEAHVDVHGI HFRKDPLEGR

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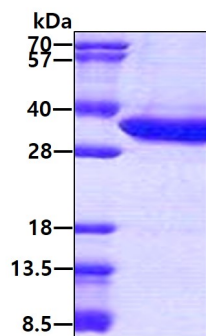
VGRASDYGMK LPILRSNPED QILYQTERYN EETFGYEVPI KEEGDYVLVL KFAEVYFAQS QQKVFDVRLN GHVVVKDLDI
FDRVGHSTAH DEIIPMSIRK GKLSVQGEVS TFTGKLYIEF VKGYYDNPKV CALYIMAGTV DDVPLQPHP GLEKKEEEEE
EEEYDEGSNL KKQTNKNRVQ SGPRTPNPYA SDNS

General References

Nagase T., Seki N., et al. (1995) DNA Res. 2:167-174

DATA

SDS-PAGE



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