

Recombinant Human MLEC, His-tagged

Cat. No. MLEC-15872H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MLEC protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	29-269aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	29.1kDa (264aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSPGLGVAG VAGAAGAGLP ESVIWAVNAG GEAHVDVHGI HFRKDPLEGR VGRASDYGMK LPILRSNPED QILYQTERYN EETFGYEVPI KEEGDYVLVL KFAEVYFAQS QQKVFDVRLN GHVVVKDLDI FDRVGHSTAH DEIIPMSIRK GKLSVQGEVS TFTGKLYIEF VKGYDNPVKV CALYIMAGTV DDVPKLQPHP GLEKKEEEEE EEEYDEGSNL KKQTNKNRVQ SGPRTPNPYA SDNS

 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

Purity	>95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	MLEC malectin [Homo sapiens]
Official Symbol	MLEC
Synonyms	MLEC; malectin; KIAA0152;
Gene ID	9761
mRNA Refseq	NM_014730
Protein Refseq	NP_055545
MIM	613802
UniProt ID	Q14165
Chromosome Location	12q24.31
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-glycan trimming in the ER and

 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

Calnexin/Calreticulin cycle, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem;

Function

carbohydrate binding;

 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