

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

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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 [<i>Homo sapiens</i>]
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

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

Function

carbohydrate binding;

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