

Recombinant Human MLEC Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MLEC-5123H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MLEC MS Standard C13 and N15-labeled recombinant protein (NP_055545) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes the carbohydrate-binding protein malectin which is a Type I membrane-anchored endoplasmic reticulum protein. This protein has an affinity for Glc2Man9GlcNAc2 (G2M9) N-glycans and is involved in regulating glycosylation in the endoplasmic reticulum. This protein has also been shown to interact with ribophorin I and may be involved in the directing the degradation of misfolded proteins. Alternate splicing results in multiple transcript variants.
Molecular Mass	32.2 kDa
AA Sequence	MLGAWAVEGTAVALLRLLLLLPPAIRGPGLGVAGVAGAAGAGLPESVIWAVNAGG EAHVDVHGIHFRKDPLEGRVGRASDYGMKLPILRSNPEDQILYQTERYNEETFGYEV PIKEEGDYVLVLKFAEVYFAQSQQKVFDVRLNGHVVKDLDFDRVGHSTAHD EII PM SIRK GKLSVQGEVSTFTGKLYIEFVKGYDNP KVCALYIMAGTVDDVPKLQPHPGLE KKEEEEEEEYDEGSNLKKQTNKNRVQSGPRTPNPYASDNSSLMFILVAFGVFIPT LFCLCRLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

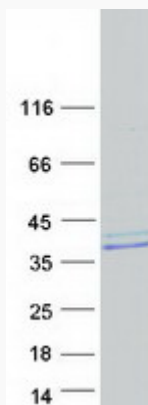
GENE INFORMATION

Gene Name	MLEC malectin [Homo sapiens (human)]
Official Symbol	MLEC
Synonyms	MLEC; malectin; KIAA0152; malectin; oligosaccharyltransferase complex subunit (non-catalytic)
Gene ID	9761
mRNA Refseq	NM_014730
Protein Refseq	NP_055545
MIM	613802
UniProt ID	Q14165

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SDS-PAGE

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