

Product datasheet for PH302607

Malectin (MLEC) (NM_014730) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MLEC MS Standard C13 and N15-labeled recombinant protein (NP_055545)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202607
Predicted MW:	32.2 kDa
Protein Sequence:	>RC202607 protein sequence Red=Cloning site Green=Tags(s)

MLGAWAVEGTAVALLRLLLLLPPAIRGPGLVAGVAGAAGAGLPESVIWAVNAGGEAHVDVHGIHFRKD
PLEGRVGRASDYGMKLPILRSNPEDQILYQTERYNEETFGYEVPKKEEGDYVLVKFAEYVFAQSQQKVF
DVRLNGHVYVKLDLDFDRVGHSTAHDEIIPMSIRKGLSVQGEVSTFTGKLYIEFVKGYDNPVKCALYI
MAGTVDDVPKLPHPGLEKKEEEEEEEYDEGSNLKKQTNKNRVQSGPRTPNPYASDNSSLMFPILVAFG
VFIPTLFCLCRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_055545</u>
RefSeq Size:	6367
RefSeq ORF:	876
Synonyms:	KIAA0152
Locus ID:	9761



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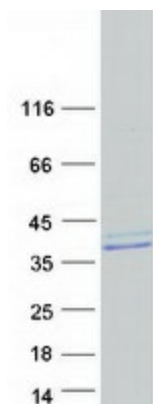
UniProt ID: [Q14165](#)

Cytogenetics: 12q24.31

Summary: 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. [provided by RefSeq, Jan 2015]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified MLEC protein (Cat# [TP302607]). The protein was produced from HEK293T cells transfected with MLEC cDNA clone (Cat# [RC202607]) using MegaTran 2.0 (Cat# [TT210002]).