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Product datasheet for PH307088

LMAN1 (NM_005570) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LMAN1 MS Standard C13 and N15-labeled recombinant protein (NP_005561)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207088
Predicted MW:	57.5 kDa
Protein Sequence:	>RC207088 protein sequence Red=Cloning site Green=Tags(s) MAGSRQRGLRARVRPLFCALLLSLGRFVRGDGVGGDPAVALPHRRFEYKYSFKGPHLVQSDGTVPFWAHA GNAIPSSDQIRVAPSLKSQRGSVWTKTKAAFENWEVEVTFRVTGRGRIGADGLAIWYAENQGLEGPVFGS ADLWNGVGIFFDSFDNDGKKNNPAIVIIGNNGQIHYDHQNDGASQALASCQRDFRNKPYPVRAKITYYQN TLTVMINNGFTPDKNDYEFCAKVENMIIPAQGHFGISAATGGLADDHDVLSFLTFQLTEPGKEPPTPDKE ISEKEKEKYQEEFEHFQQELDKKKEEFQKGHPDLQGQPAEEIFESVGDRELRQVFEGQNRIHLEIKQLNR QLDMILDEQRRYVSSLTEEISKRGAGMPGQHGQITQQELDTVVKTQHEILRQVNEMKNSLSETVRLVSGM QHPGSAGGVYETTQHFIDIKEHLHIVKRDIDNLVQRNMPSNEKPKCPELPPFPSCLSTVHFIIFVVVQTV LFIGYIMYRSQQEAAAKKFF 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_005561
RefSeq Size:	4848
RefSeq ORF:	1530

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Synonyms: ERGIC-53; ERGIC53; F5F8D; FMFD1; gp58; MCFD1; MR60

Locus ID: 3998

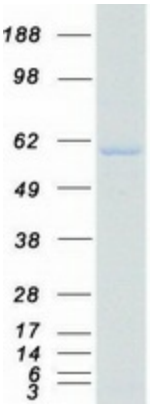
UniProt ID: P49257, A0A024R2A7

Cytogenetics: 18q21.32

Summary: The protein encoded by this gene is a membrane mannose-specific lectin that cycles between the endoplasmic reticulum, endoplasmic reticulum-Golgi intermediate compartment, and cis-Golgi, functioning as a cargo receptor for glycoprotein transport. The protein has an N-terminal signal sequence, a calcium-dependent and pH-sensitive carbohydrate recognition domain, a stalk region that functions in oligomerization, a transmembrane domain, and a short cytoplasmic domain required for organelle targeting. Allelic variants of this gene are associated with the autosomal recessive disorder combined factor V-factor VIII deficiency. [provided by RefSeq, Jul 2015]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified LMAN1 protein (Cat# [TP307088]). The protein was produced from HEK293T cells transfected with LMAN1 cDNA clone (Cat# [RC207088]) using MegaTran 2.0 (Cat# [TT210002]).