OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH323251

Leiomodin 3 (LMOD3) (NM_198271) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LMOD3 MS Standard C13 and N15-labeled recombinant protein (NP_938012)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223251
Predicted MW:	64.7 kDa
Protein Sequence:	>RC223251 representing NM_198271 Red=Cloning site Green=Tags(s) MSEHSRNSDQEELLDEEINEDEILANLSAEELKELQSEMEVMAPDPSLPVGMIQKDQTDKPPTGNFNHKS LVDYMYWEKASRRMLEEERVPVTFVKSEEKTQEEHEEIEKRNKNMAQYLKEKLNNEIVANKRESKGSSNI QETDEEDEEEEDDDDDDEGEDDGEESEETNREEEGKAKEQIRNCENNCQQVTDKAFKEQRDRPEAQEQSE KKISKLDPKKLALDTSFLKVSTRPSGNQTDLDGSLRRVRKNDPDMKELNLNNIENIPKEMLLDFVNAMKK NKHIKTFSLANVGADENVAFALANMLRENRSITTLNIESNFITGKGIVAIMRCLQFNETLTELRFHNQRH MLGHHAEMEIARLLKANNTLLKMGYHFELPGPRMVVTNLLTRNQDKQRQKRQEEQKQQQLKEQKKLIAML ENGLGLPPGMWELLGGPKPDSRMQEFFQPPPPRPPNPQNVPFSQRSEMMKKPSQAPKYRTDPDSFRVVKL KRIQRKSRMPEAREPPEKTNLKDVIKTLKPVPRNRPPPLVEITPRDQLLNDIRHSSVAYLKPVQLPKELA 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_938012
RefSeq Size:	4067
RefSeq ORF:	1680

View online »

Synonyms: NEM10

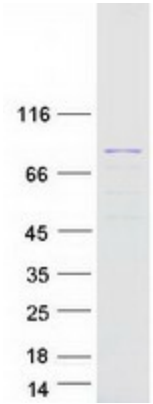
Locus ID: 56203

UniProt ID: Q0VAK6

Cytogenetics: 3p14.1

Summary: The protein encoded by this gene is a member of the leiomodin family of proteins. This protein contains three actin-binding domains, a tropomyosin domain, a leucine-rich repeat domain, and a Wiskott-Aldrich syndrome protein homology 2 domain (WH2). Localization of this protein to the pointed ends of thin filaments has been observed, and there is evidence that this protein acts as a catalyst of actin nucleation, and is important to the organization of sarcomeric thin filaments in skeletal muscles. Mutations in this gene have been associated as one cause of Nemaline myopathy, as other genes have also been linked to this disorder. Nemaline myopathy is a disorder characterized by nonprogressive generalized muscle weakness and protein inclusions (nemaline bodies) in skeletal myofibers. Patients with mutations in this gene often present with a severe congenital form of the disorder. [provided by RefSeq, Jan 2015]

Product images:



Coomassie blue staining of purified LMOD3 protein (Cat# [TP323251]). The protein was produced from HEK293T cells transfected with LMOD3 cDNA clone (Cat# [RC223251]) using MegaTran 2.0 (Cat# [TT210002]).