

Product datasheet for PH305376

LMO2 (NM_005574) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LMO2 MS Standard C13 and N15-labeled recombinant protein (NP_005565)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205376
Predicted MW:	18.2 kDa
Protein Sequence:	>RC205376 representing NM_005574 Red=Cloning site Green=Tags(s) MSSAIERKSLDPSEEPVDEVLQIPPSLLTCGGCQQNIGDRYFLKAIDQYWHEDCLSCDLCGCRLGEVGRR LYYKLGKRLCRRDYLRFLFGQDGLCASCDKRIRAYEMTMRVKDKVYHLECFKCAACQKHFVCGDRYLLINS DIVCEQDIYEWTKINGMI TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_005565
RefSeq Size:	2304
RefSeq ORF:	474
Synonyms:	LMO-2; RBTN2; RBTN1; RHOM2; TTG2
Locus ID:	4005
UniProt ID:	P25791



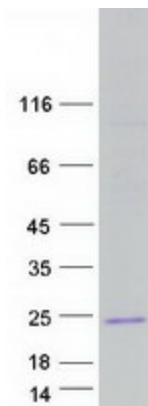
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Cytogenetics: 11p13

Summary: LMO2 encodes a cysteine-rich, two LIM-domain protein that is required for yolk sac erythropoiesis. The LMO2 protein has a central and crucial role in hematopoietic development and is highly conserved. The LMO2 transcription start site is located approximately 25 kb downstream from the 11p13 T-cell translocation cluster (11p13 ttc), where a number T-cell acute lymphoblastic leukemia-specific translocations occur. Alternative splicing results in multiple transcript variants encoding different isoforms.[provided by RefSeq, Nov 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified LMO2 protein (Cat# [TP305376]). The protein was produced from HEK293T cells transfected with LMO2 cDNA clone (Cat# [RC205376]) using MegaTran 2.0 (Cat# [TT210002]).